

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	09SEP2011 03:01:27
Data source version	KSPT_L0/4504-N
Processing scope for products	02SEP2011 00:00:00 to 03SEP2011 00:00:00
Start time of first product within scope	02SEP2011 00:42:21
Stop time of last product within scope	03SEP2011 00:06:27
Total number of Level 0 products	15
Number of Level 0 products with errors	1

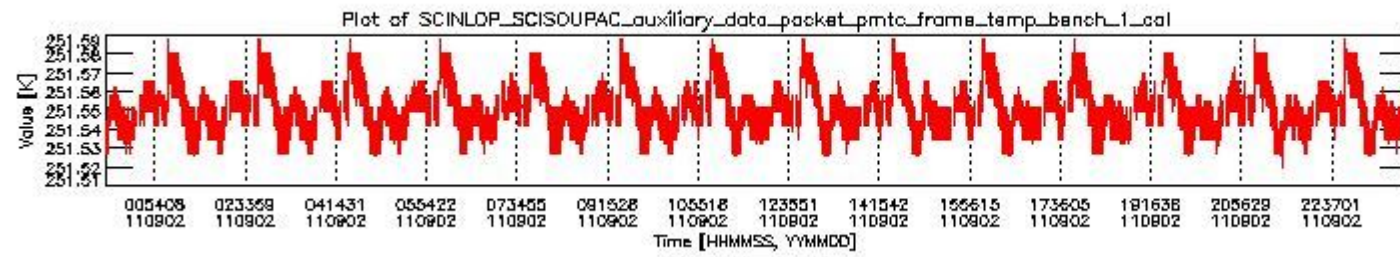
0.1.2 Summary per product

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

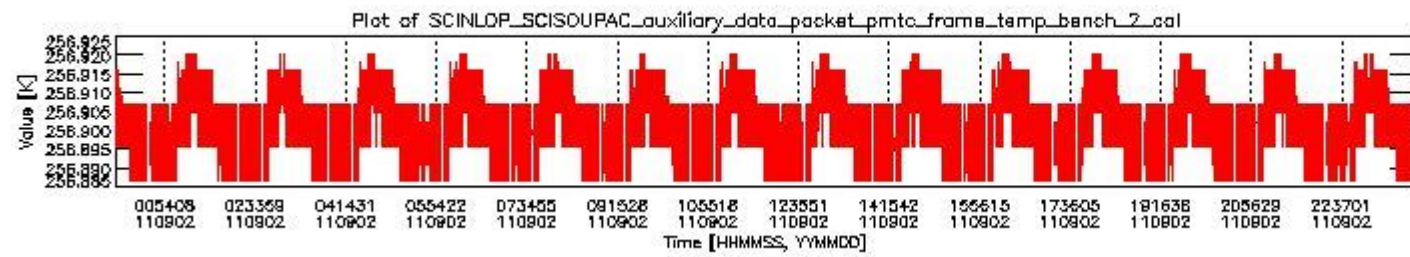
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20110902_004221_000057193106_00131_49714_7076.N1	02SEP2011 00:42:21	02SEP2011 02:17:39	0	0	0	0	0
1	SCI_NL__OPNPDE20110902_021656_000046523106_00132_49715_7077.N1	02SEP2011 02:16:56	02SEP2011 03:34:28	0	0	0	0	0
2	SCI_NL__OPNPDE20110902_033319_000061523106_00133_49716_7078.N1	02SEP2011 03:33:19	02SEP2011 05:15:51	0	0	0	0	0
3	SCI_NL__OPNPDE20110902_051551_000059463106_00134_49717_7079.N1	02SEP2011 05:15:51	02SEP2011 06:54:57	0	0	0	0	0
4	SCI_NL__OPNPDK20110902_065457_000040513106_00135_49718_5577.N1	02SEP2011 06:54:57	02SEP2011 08:02:27	0	0	0	0	0
5	SCI_NL__OPNPDK20110902_080227_000061373106_00136_49719_5578.N1	02SEP2011 08:02:27	02SEP2011 09:44:44	0	0	0	0	0
6	SCI_NL__OPNPDK20110902_094336_000059603106_00137_49720_5579.N1	02SEP2011 09:43:36	02SEP2011 11:22:56	0	0	0	0	0
7	SCI_NL__OPNPDK20110902_112202_000060003106_00138_49721_5580.N1	02SEP2011 11:22:02	02SEP2011 13:02:02	0	0	0	0	0
8	SCI_NL__OPNPDK20110902_130202_000059063106_00139_49722_5581.N1	02SEP2011 13:02:02	02SEP2011 14:40:28	0	0	0	0	0
9	SCI_NL__OPNPDK20110902_143919_000058233106_00140_49723_5582.N1	02SEP2011 14:39:19	02SEP2011 16:16:23	0	0	0	0	0
10	SCI_NL__OPNPDK20110902_161623_000058893106_00141_49724_5583.N1	02SEP2011 16:16:23	02SEP2011 17:54:32	1	1	0	0	1
11	SCI_NL__OPNPDK20110902_175338_000059753106_00142_49725_5584.N1	02SEP2011 17:53:38	02SEP2011 19:33:13	0	0	0	0	0
12	SCI_NL__OPNPDK20110902_193219_000060023106_00143_49726_5585.N1	02SEP2011 19:32:19	02SEP2011 21:12:21	0	0	0	0	0
13	SCI_NL__OPNPDE20110902_210909_000045413106_00144_49727_7080.N1	02SEP2011 21:09:09	02SEP2011 22:24:49	0	0	0	0	0
14	SCI_NL__OPNPDE20110902_222449_000060983106_00144_49727_7081.N1	02SEP2011 22:24:49	03SEP2011 00:06:27	0	0	0	0	0

0.2 Product Quality Indicators

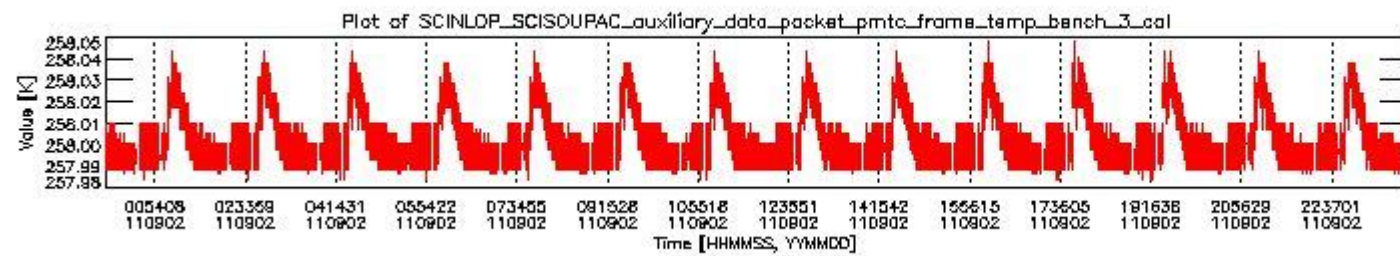
This section shows information about product quality, currently temperatures.



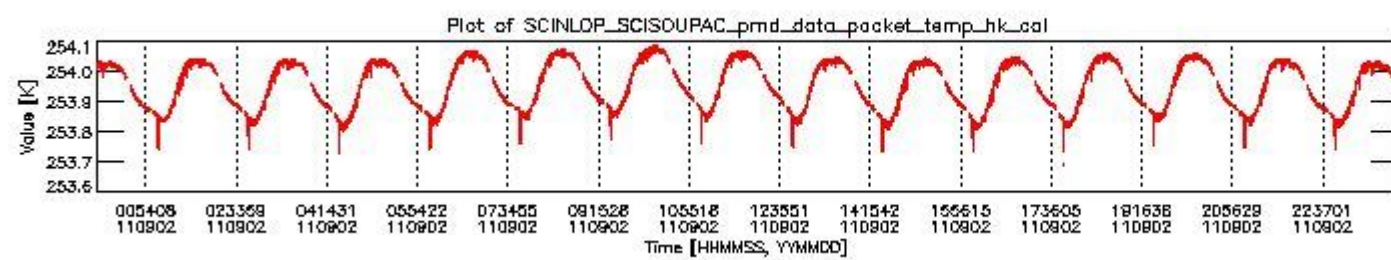
sciamachy_daily_report_level0_KSPT_L0_4504_N_20110902_0.PNG



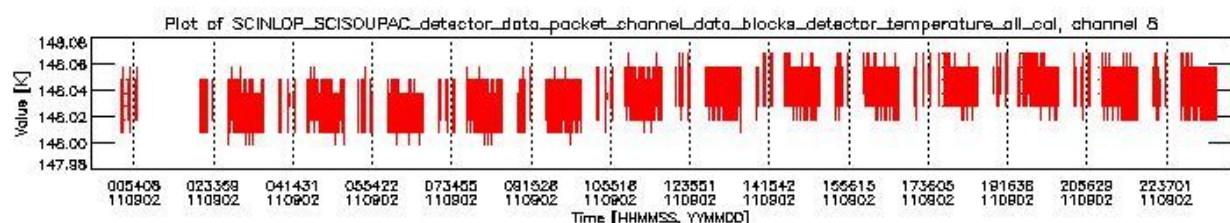
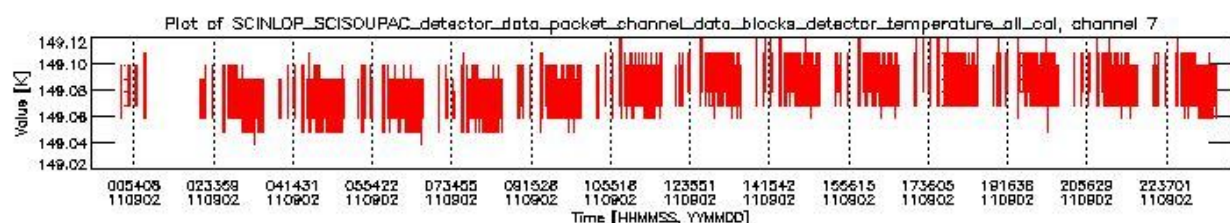
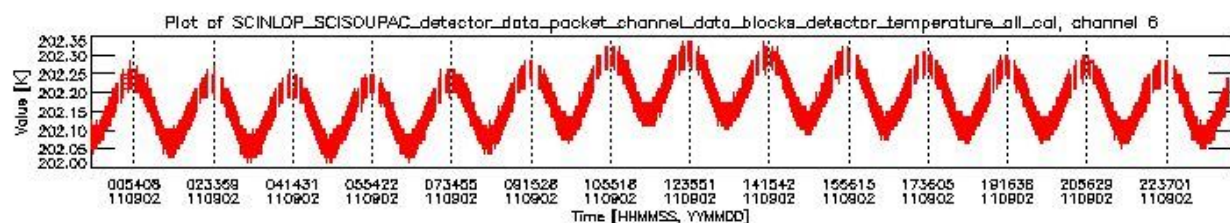
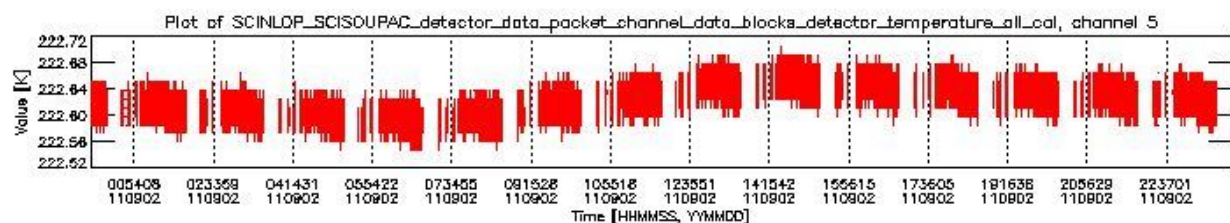
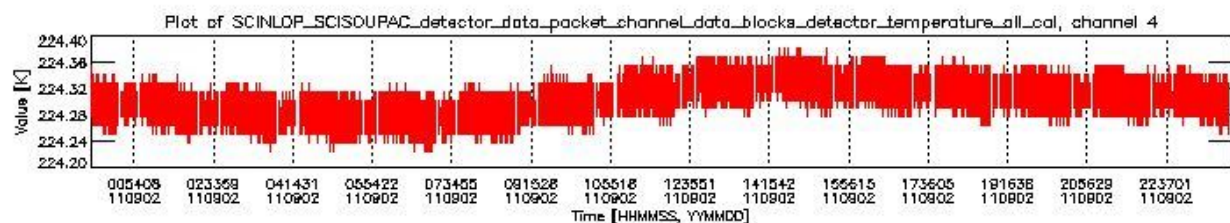
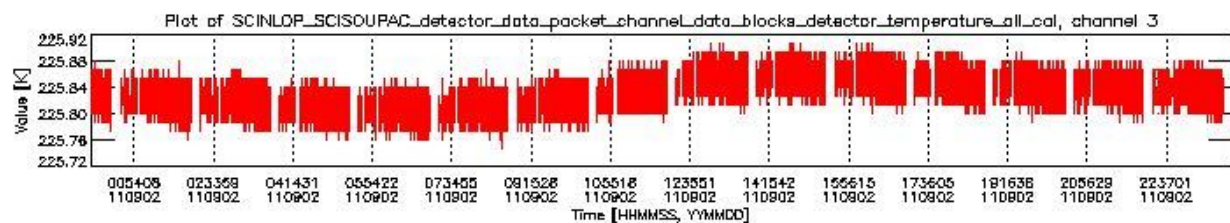
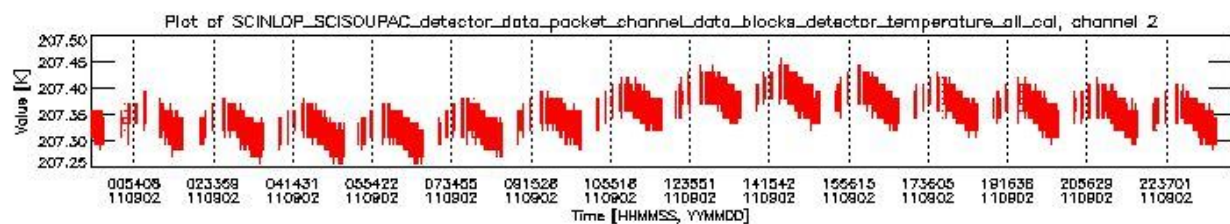
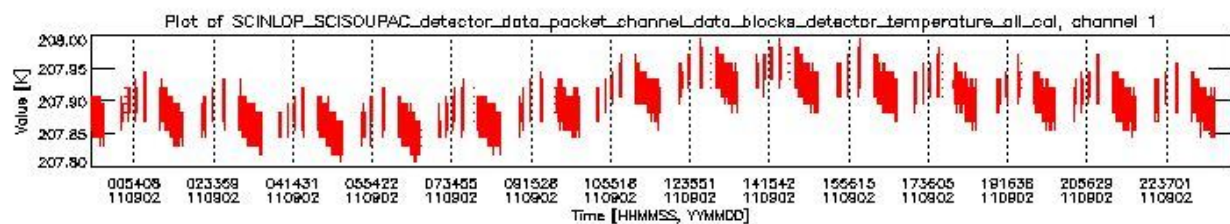
sciamachy_daily_report_level0_KSPT_L0_4504_N_20110902_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20110902_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20110902_3.PNG

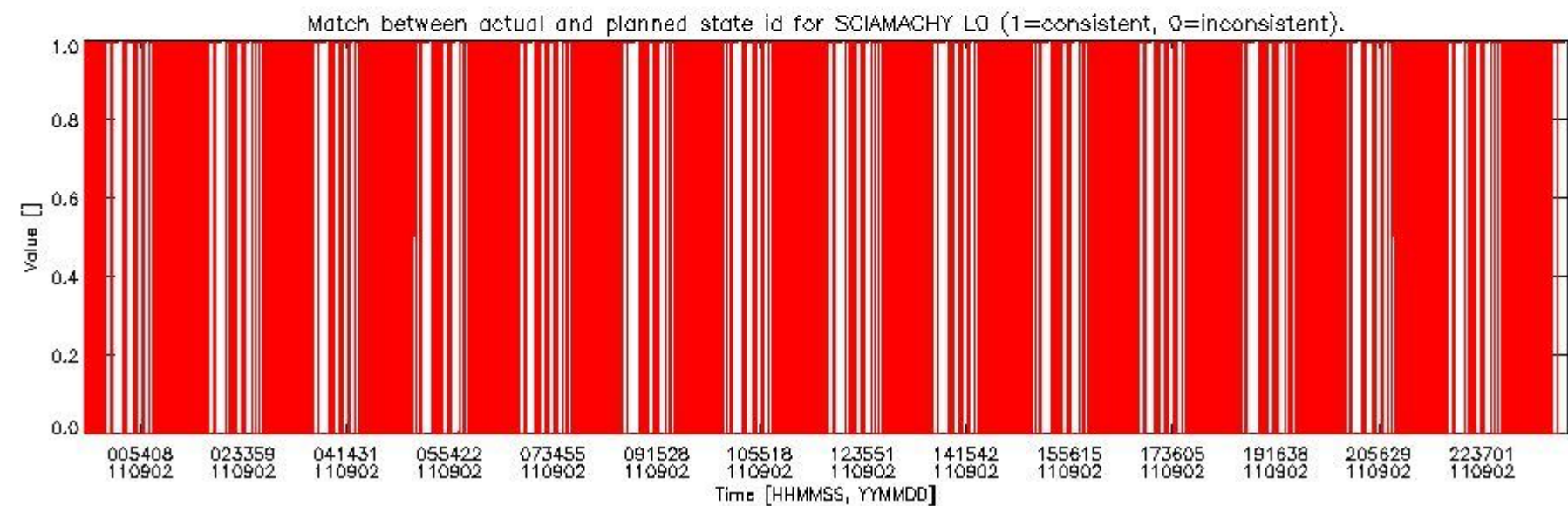
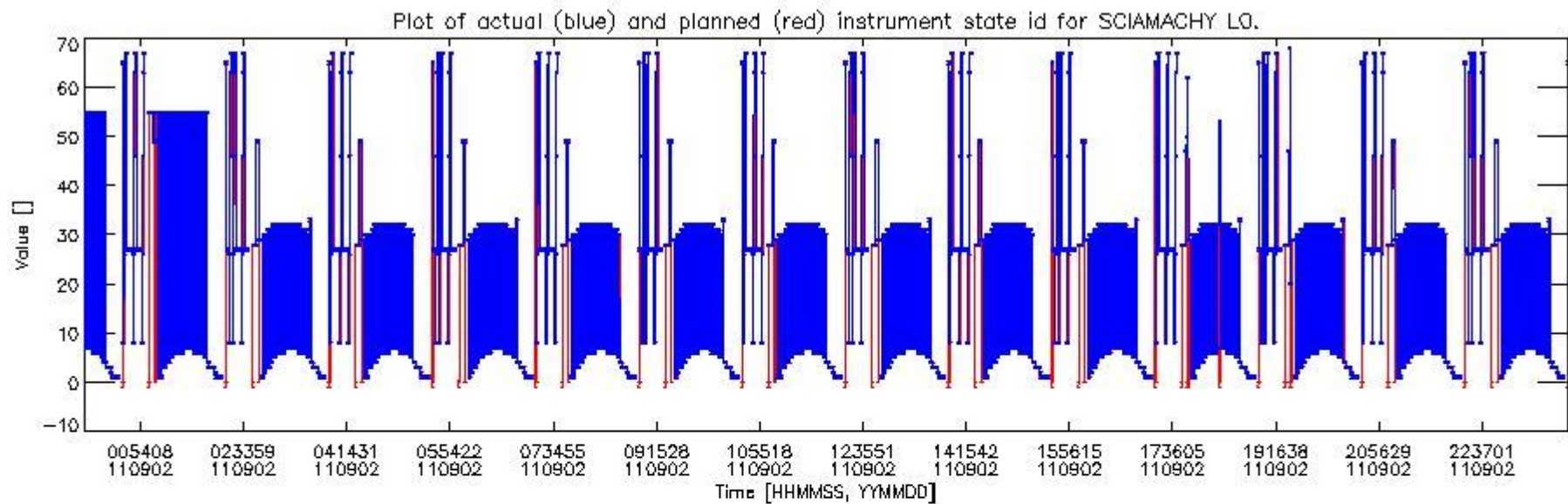


0.3 State monitoring

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: **61844**

#	Actual time	Actual value	Planned time	Planned value
0	02SEP2011 00:00:08.930958	55	02SEP2011 00:00:08.930958	7
1	02SEP2011 00:00:09.555958	55	02SEP2011 00:00:09.555958	7
2	02SEP2011 00:00:09.930958	55	02SEP2011 00:00:09.930958	7
3	02SEP2011 00:00:10.305958	55	02SEP2011 00:00:10.305958	7
4	02SEP2011 00:00:10.868458	55	02SEP2011 00:00:10.868458	7
5	02SEP2011 00:00:11.243458	55	02SEP2011 00:00:11.243458	7
6	02SEP2011 00:00:11.618458	55	02SEP2011 00:00:11.618458	7
7	02SEP2011 00:00:11.993458	55	02SEP2011 00:00:11.993458	7
8	02SEP2011 00:00:12.555958	55	02SEP2011 00:00:12.555958	7
9	02SEP2011 00:00:12.930958	55	02SEP2011 00:00:12.930958	7
10	02SEP2011 00:00:13.305958	55	02SEP2011 00:00:13.305958	7
11	02SEP2011 00:00:13.680958	55	02SEP2011 00:00:13.680958	7
12	02SEP2011 00:00:13.930958	55	02SEP2011 00:00:13.930958	7
13	02SEP2011 00:00:14.243458	55	02SEP2011 00:00:14.243458	7
14	02SEP2011 00:00:14.618458	55	02SEP2011 00:00:14.618458	7
15	02SEP2011 00:00:14.993458	55	02SEP2011 00:00:14.993458	7
16	02SEP2011 00:00:15.368458	55	02SEP2011 00:00:15.368458	7
17	02SEP2011 00:00:15.930958	55	02SEP2011 00:00:15.930958	7
18	02SEP2011 00:00:16.305958	55	02SEP2011 00:00:16.305958	7
19	02SEP2011 00:00:16.680958	55	02SEP2011 00:00:16.680958	7
...

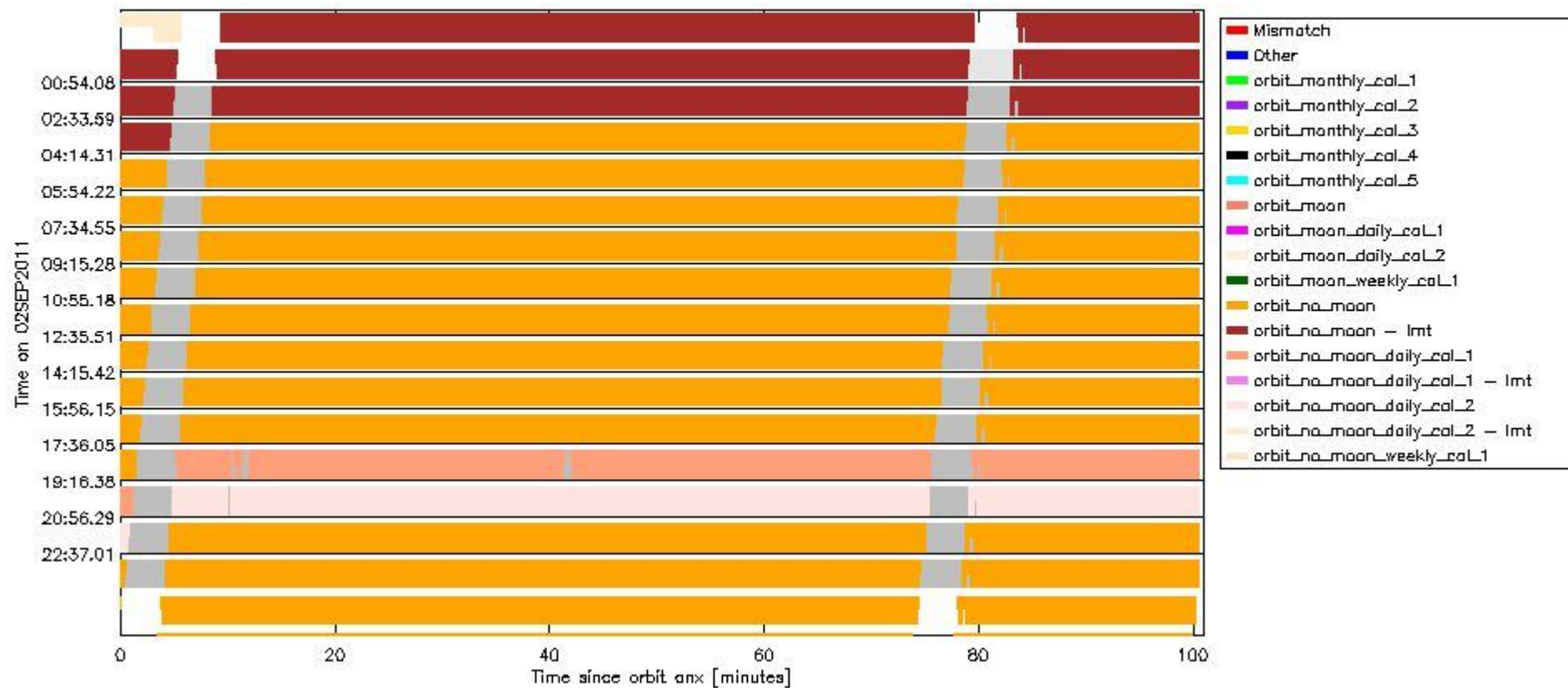


sciamachy_daily_report_level0_KSPT_L0_4504_N_20110902_5.PNG

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 Q2SEP2011.
 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_20110902_6.PNG

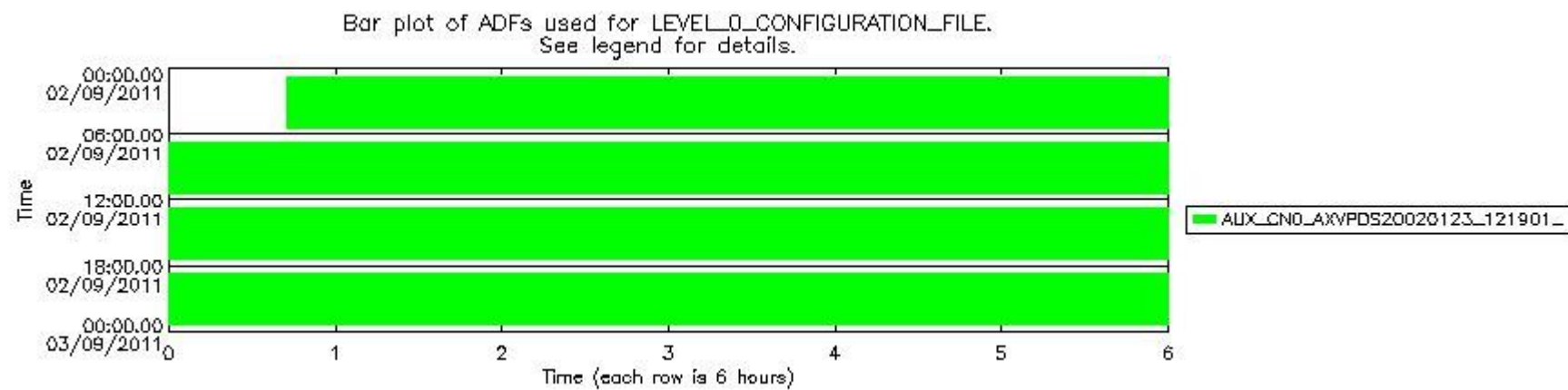
0.4 ADF monitoring

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

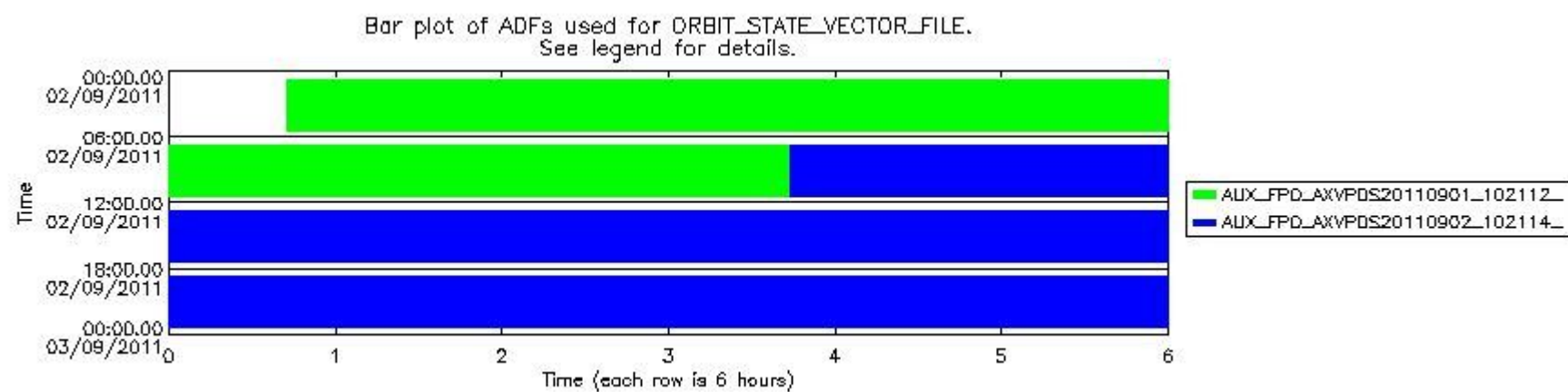
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

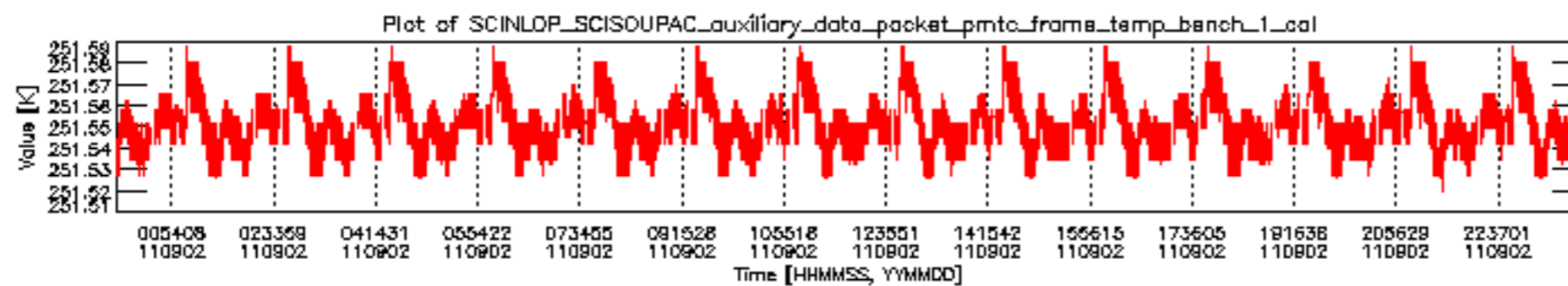
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20110901_102112_20110831_184944_20110910_210329
2	AUX_FPO_AXVPDS20110902_102114_20110901_195314_20110911_202644

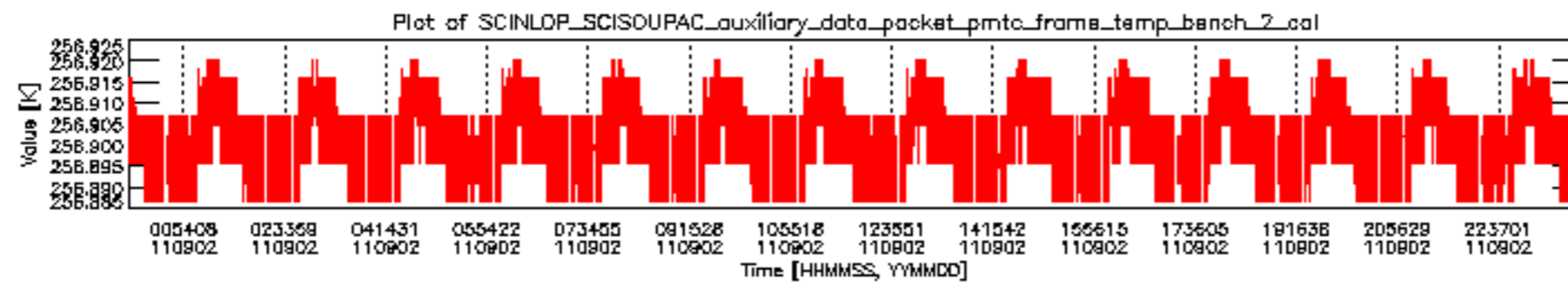


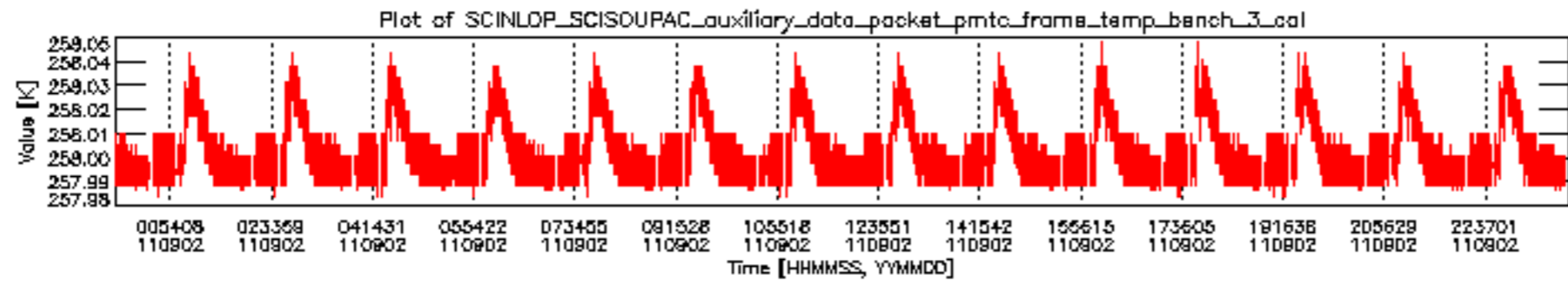
sciamachy_daily_report_level0_KSPT_L0_4504_N_20110902_7.PNG

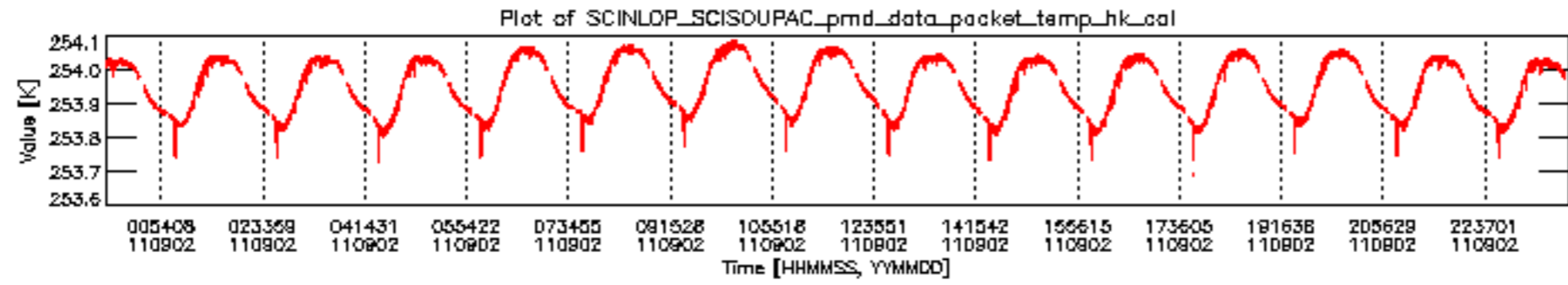


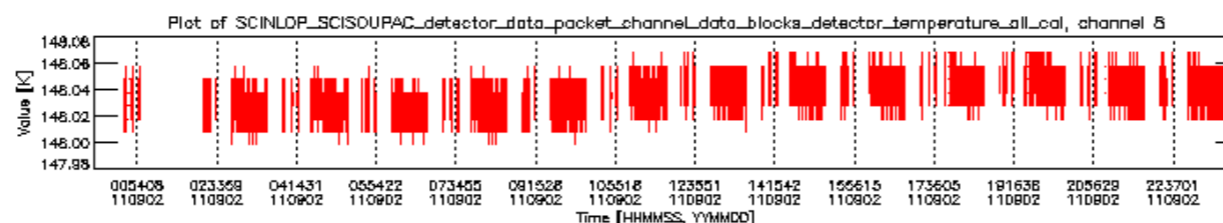
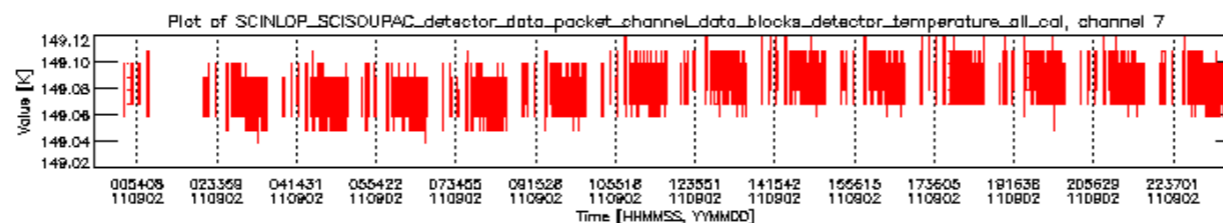
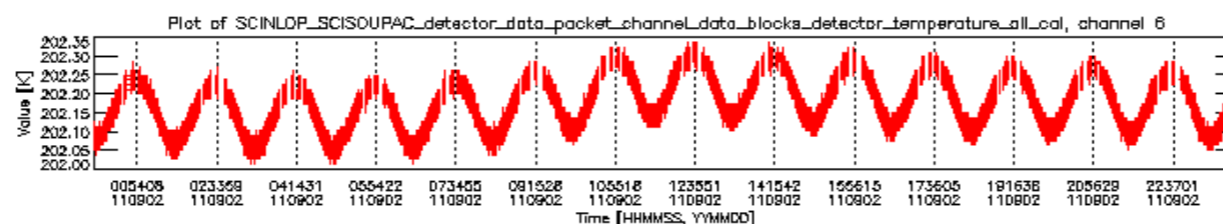
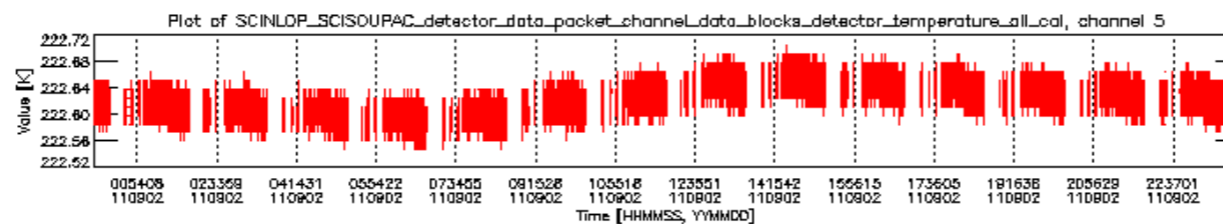
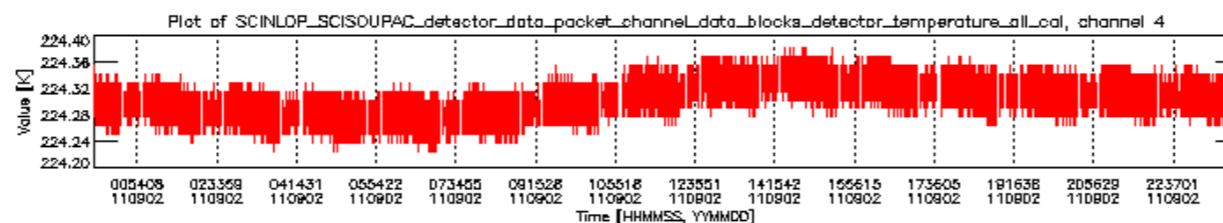
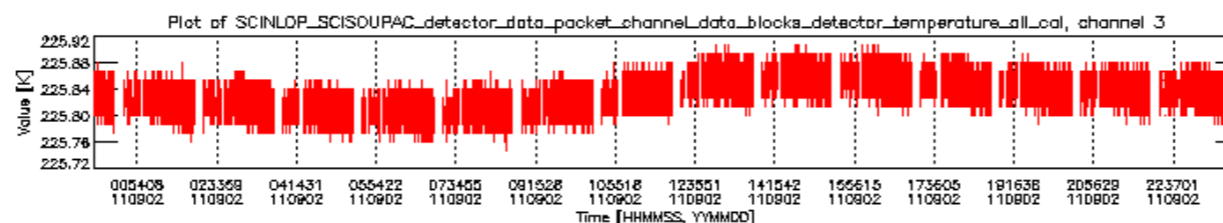
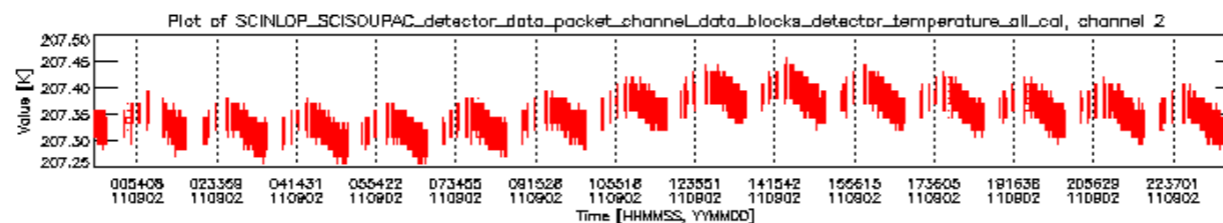
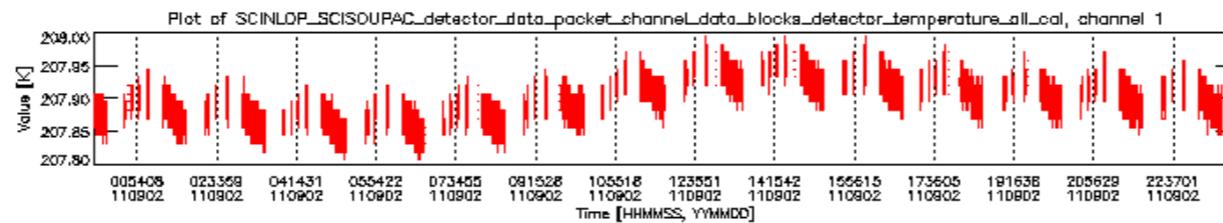
sciamachy_daily_report_level0_KSPT_L0_4504_N_20110902_8.PNG

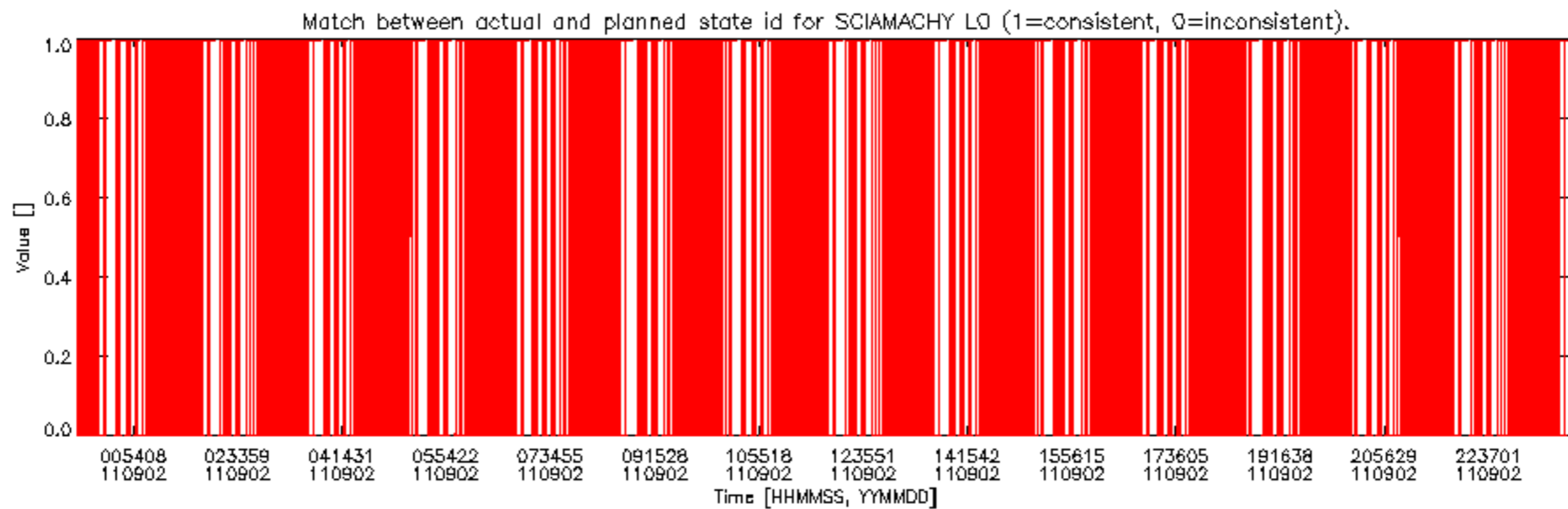
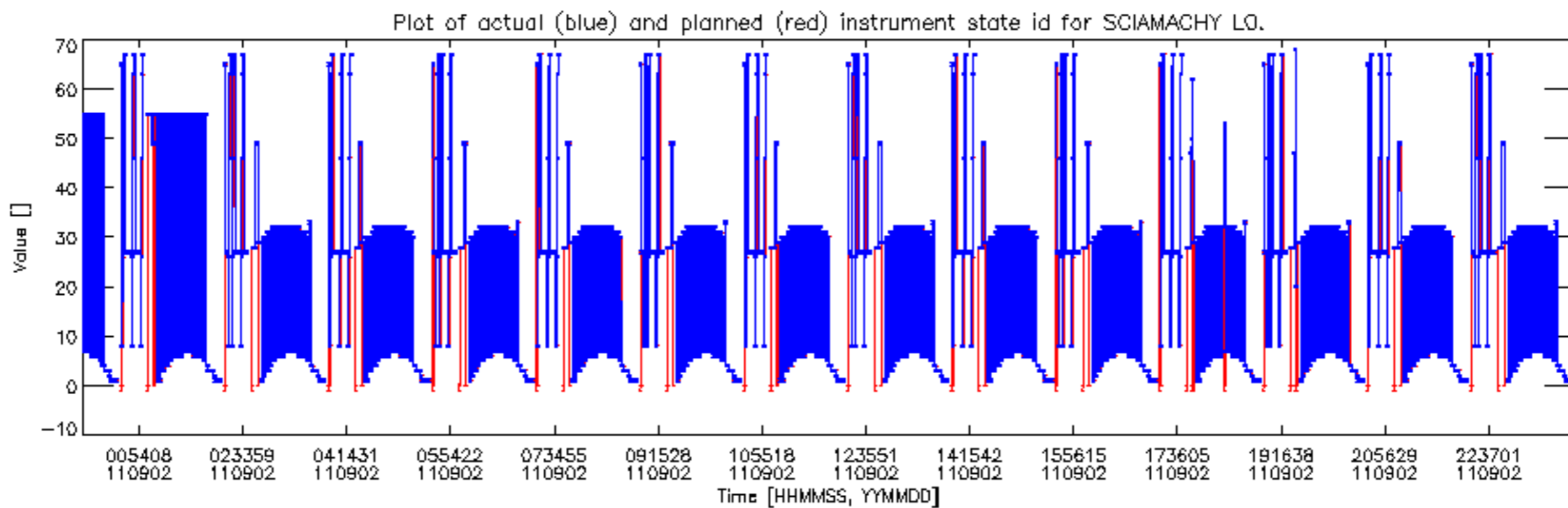












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 02SEP2011.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
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