

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	15MAY2009 04:46:47
Data source version	KSPT_L0/4303-N
Processing scope for products	11MAY2009 00:00:00 to 12MAY2009 00:00:00
Start time of first product within scope	10MAY2009 23:59:09
Stop time of last product within scope	12MAY2009 01:08:44
Total number of level 0 products	18
Number of level 0 products with errors	3

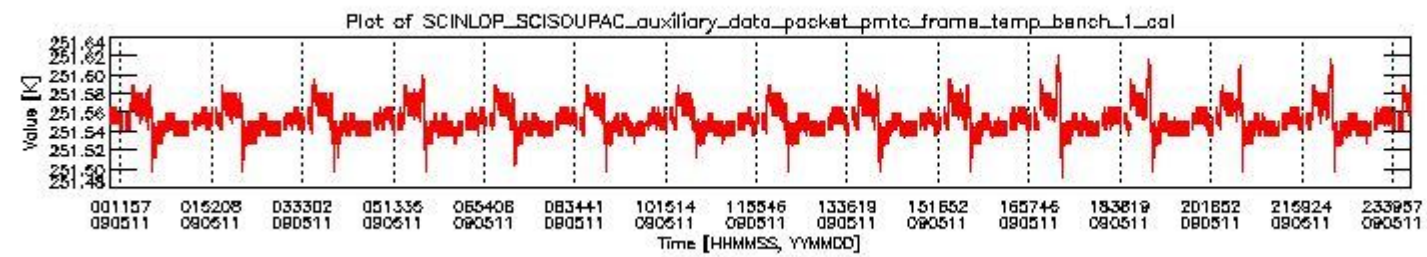
0.1.2 Summary per product

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

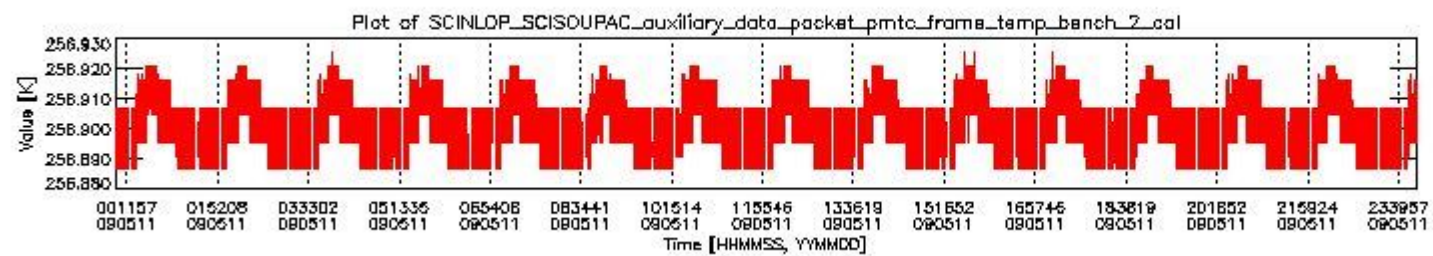
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090510_235909_000059892078_00488_37616_9119.N1	10MAY2009 23:59:09	11MAY2009 01:38:58	0	0	0	0	0
1	SCI_NL__OPNPDE20090511_013729_000048322078_00489_37617_9120.N1	11MAY2009 01:37:29	11MAY2009 02:58:02	0	0	0	0	0
2	SCI_NL__OPNPDE20090511_025653_000057742078_00490_37618_9121.N1	11MAY2009 02:56:53	11MAY2009 04:33:07	0	0	0	0	0
3	SCI_NL__OPNPDE20090511_043159_000061732078_00491_37619_9122.N1	11MAY2009 04:31:59	11MAY2009 06:14:52	0	0	0	0	0
4	SCI_NL__OPNPDK20090511_061343_000041012078_00492_37620_1501.N1	11MAY2009 06:13:43	11MAY2009 07:22:04	0	0	0	0	0
5	SCI_NL__OPNPDK20090511_072204_000061042078_00493_37621_1502.N1	11MAY2009 07:22:04	11MAY2009 09:03:48	0	0	0	0	0
6	SCI_NL__OPNPDK20090511_090252_000060232078_00494_37622_1503.N1	11MAY2009 09:02:52	11MAY2009 10:43:15	1	0	1	0	0
7	SCI_NL__OPNPDK20090511_104315_000059802078_00495_37623_1504.N1	11MAY2009 10:43:15	11MAY2009 12:22:55	0	0	0	0	0
8	SCI_NL__OPNPDK20090511_122159_000059672078_00496_37624_1505.N1	11MAY2009 12:21:59	11MAY2009 14:01:26	1	0	1	0	0
9	SCI_NL__OPNPDK20090511_140126_000000562078_00497_37625_1506.N1	11MAY2009 14:01:26	11MAY2009 14:02:22	1	1	0	0	0
10	SCI_NL__OPNPDK20090511_140222_000057992078_00497_37625_1507.N1	11MAY2009 14:02:22	11MAY2009 15:39:01	0	0	0	0	0
11	SCI_NL__OPNPDK20090511_153753_000058592078_00498_37626_1508.N1	11MAY2009 15:37:53	11MAY2009 17:15:31	0	0	0	0	0
12	SCI_NL__OPNPDK20090511_171435_000059802078_00499_37627_1509.N1	11MAY2009 17:14:35	11MAY2009 18:54:15	0	0	0	0	0
13	SCI_NL__OPNPDK20090511_185307_000060762078_00500_37628_1510.N1	11MAY2009 18:53:07	11MAY2009 20:34:22	0	0	0	0	0
14	SCI_NL__OPNPDE20090511_203231_000044582078_00501_37629_9123.N1	11MAY2009 20:32:31	11MAY2009 21:46:49	0	0	0	0	0
15	SCI_NL__OPNPDK20090511_214605_000016772078_00501_37629_1511.N1	11MAY2009 21:46:05	11MAY2009 22:14:02	0	0	0	0	0
16	SCI_NL__OPNPDE20090511_221306_000044472079_00001_37630_9124.N1	11MAY2009 22:13:06	11MAY2009 23:27:13	0	0	0	0	0
17	SCI_NL__OPNPDE20090511_232556_000061682079_00001_37630_9125.N1	11MAY2009 23:25:56	12MAY2009 01:08:44	0	0	0	0	0

0.2 Product Quality Indicators

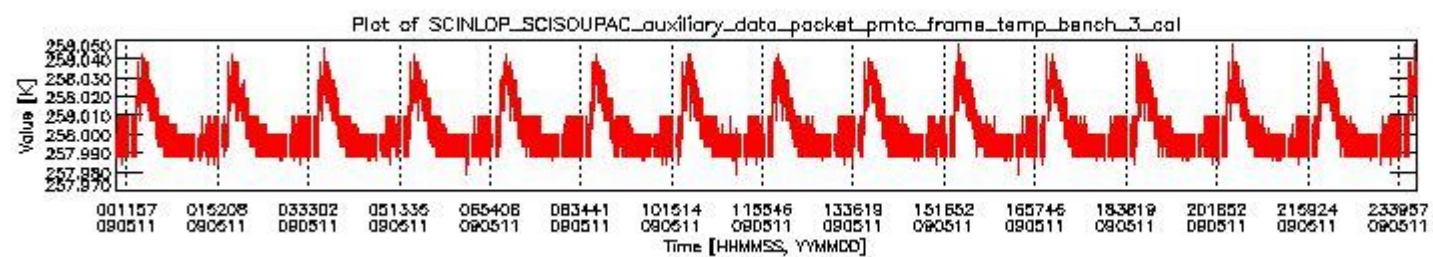
This section shows information about product quality, currently temperatures.



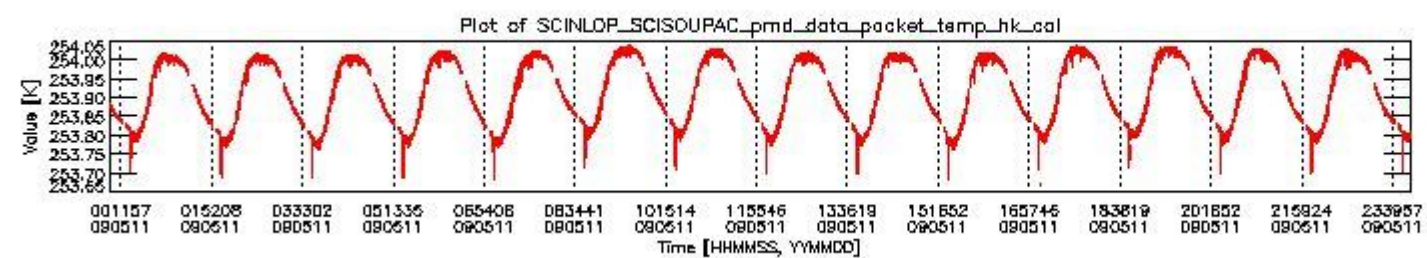
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090511_0.PNG



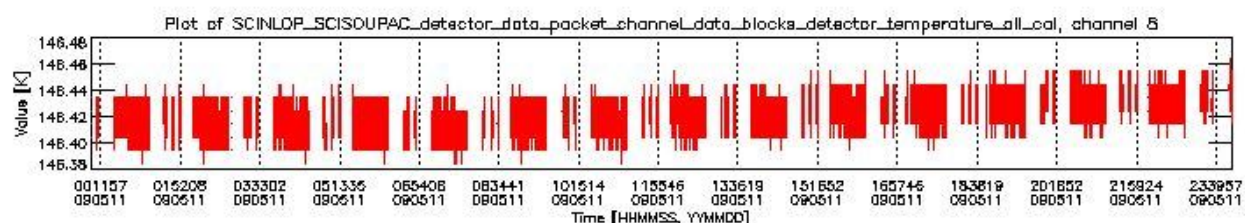
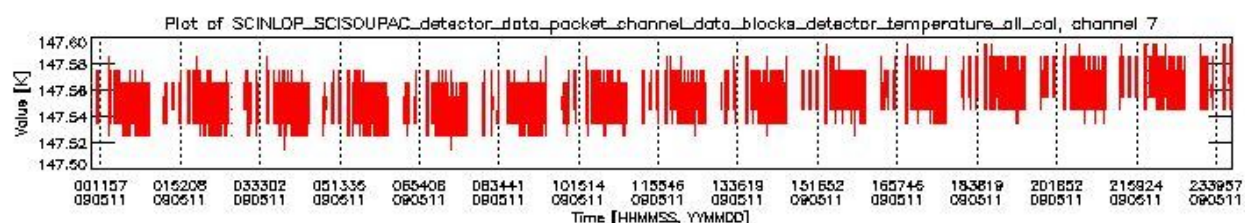
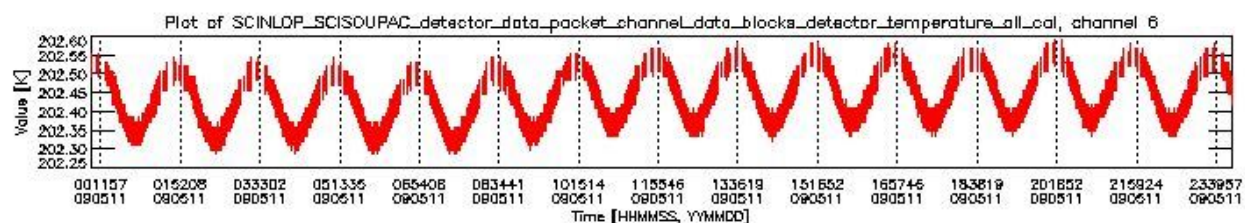
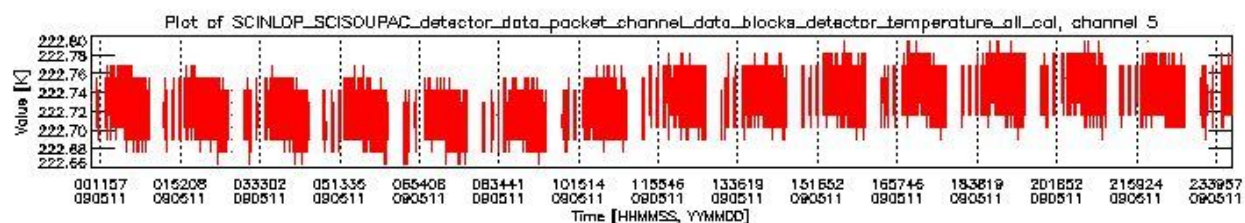
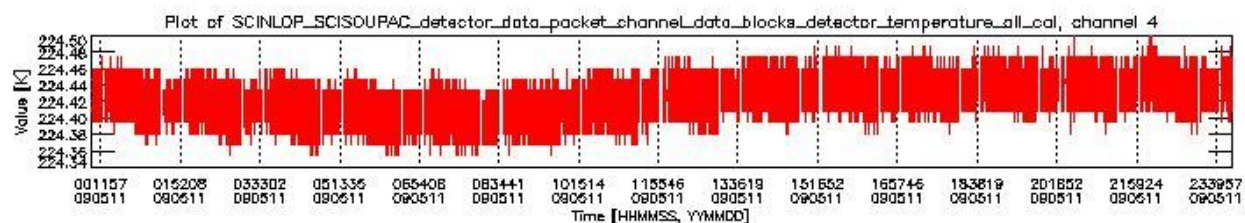
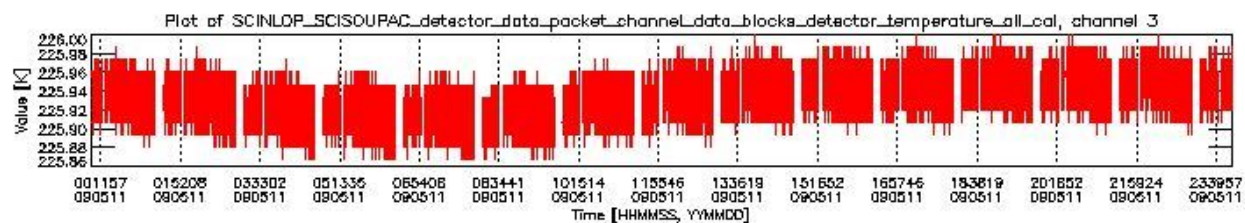
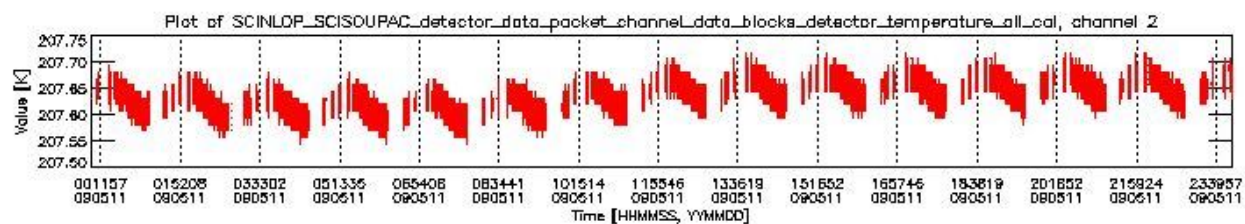
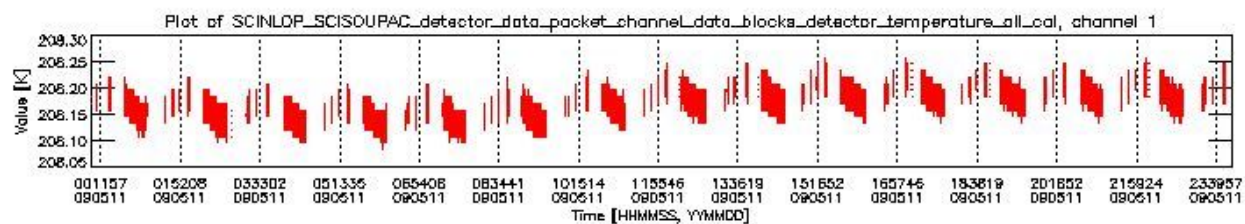
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090511_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090511_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090511_3.PNG

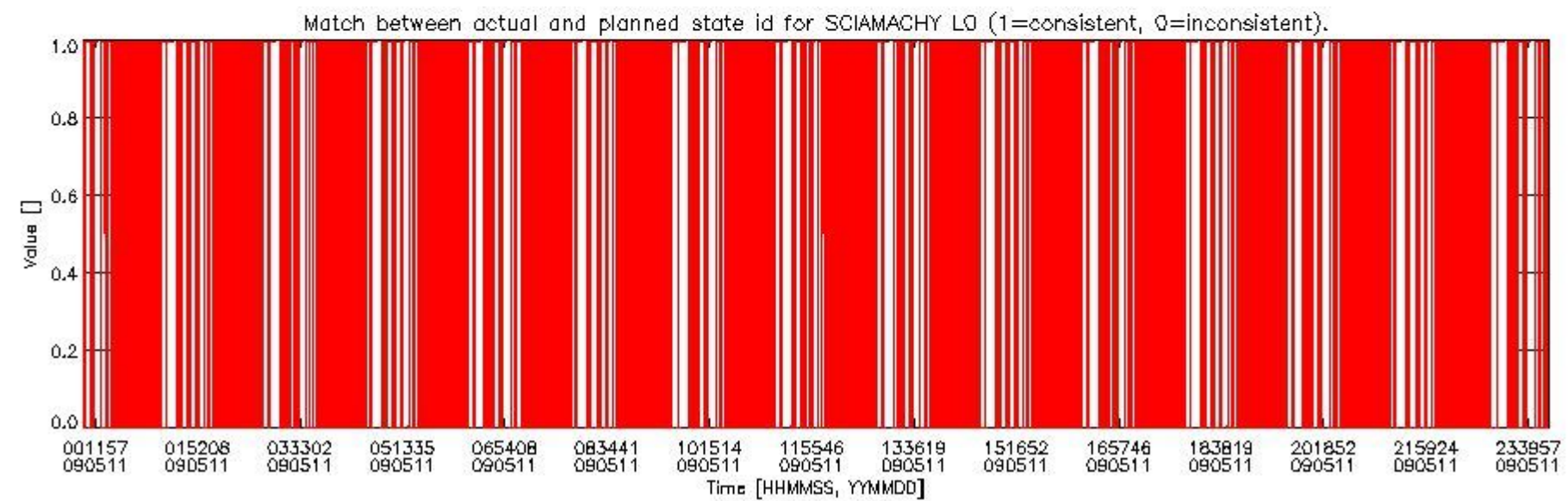
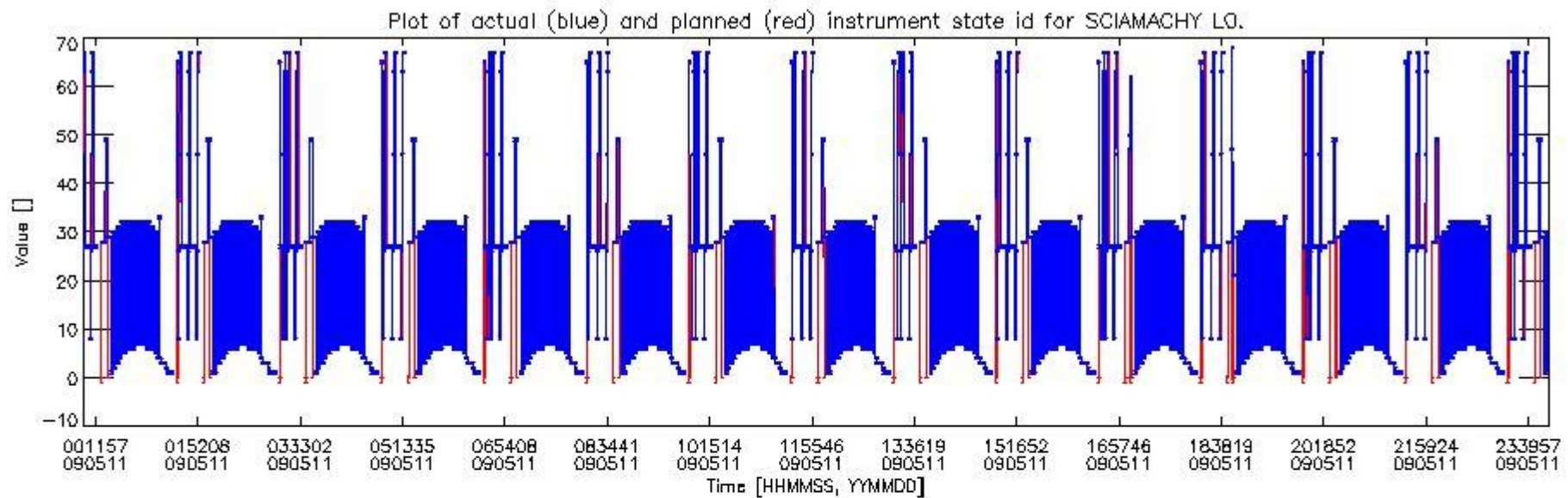


0.3 State monitoring

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: **46559**

#	Actual time	Actual value	Planned time	Planned value
0	11MAY2009 00:01:06.204026	27	11MAY2009 00:01:06.204026	67
1	11MAY2009 00:01:07.204061	27	11MAY2009 00:01:07.204061	67
2	11MAY2009 00:01:08.141533	27	11MAY2009 00:01:08.141533	67
3	11MAY2009 00:01:08.891560	27	11MAY2009 00:01:08.891560	67
4	11MAY2009 00:01:09.829032	27	11MAY2009 00:01:09.829032	67
5	11MAY2009 00:01:10.579058	27	11MAY2009 00:01:10.579058	67
6	11MAY2009 00:01:11.204039	27	11MAY2009 00:01:11.204039	67
7	11MAY2009 00:01:11.516530	27	11MAY2009 00:01:11.516530	67
8	11MAY2009 00:01:12.266556	27	11MAY2009 00:01:12.266556	67
9	11MAY2009 00:01:13.204029	27	11MAY2009 00:01:13.204029	67
10	11MAY2009 00:01:13.954055	27	11MAY2009 00:01:13.954055	67
11	11MAY2009 00:01:14.891527	27	11MAY2009 00:01:14.891527	67
12	11MAY2009 00:01:15.641553	27	11MAY2009 00:01:15.641553	67
13	11MAY2009 00:01:16.204053	27	11MAY2009 00:01:16.204053	67
14	11MAY2009 00:06:14.614222	8	11MAY2009 00:06:14.614222	27
15	11MAY2009 00:06:15.739221	8	11MAY2009 00:06:15.739221	27
16	11MAY2009 00:06:16.739256	8	11MAY2009 00:06:16.739256	27
17	11MAY2009 00:06:17.739251	8	11MAY2009 00:06:17.739251	27
18	11MAY2009 00:06:18.739245	8	11MAY2009 00:06:18.739245	27
19	11MAY2009 00:06:19.614235	8	11MAY2009 00:06:19.614235	27
...

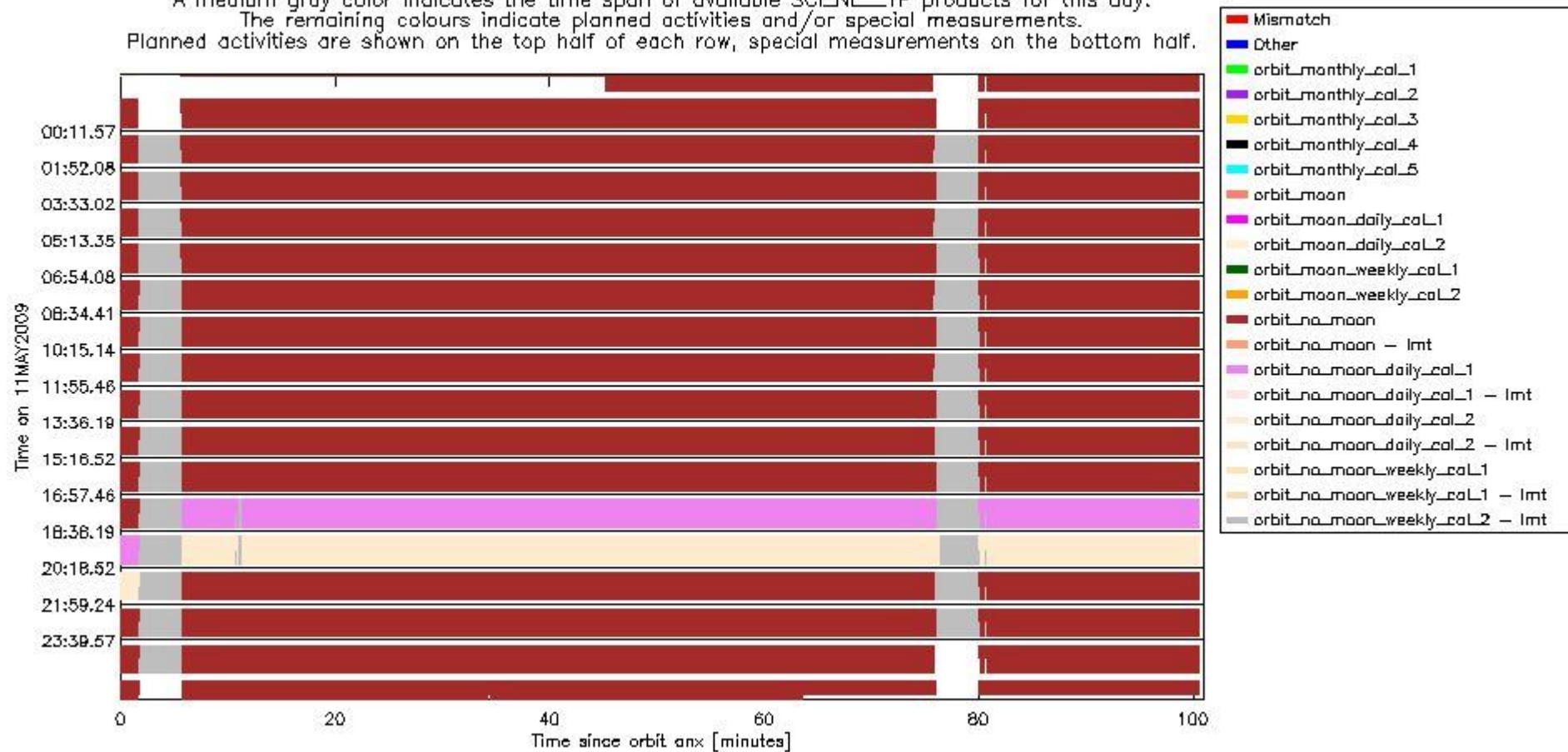


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090511_5.PNG

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 11MAY2009.
 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_20090511_6.PNG

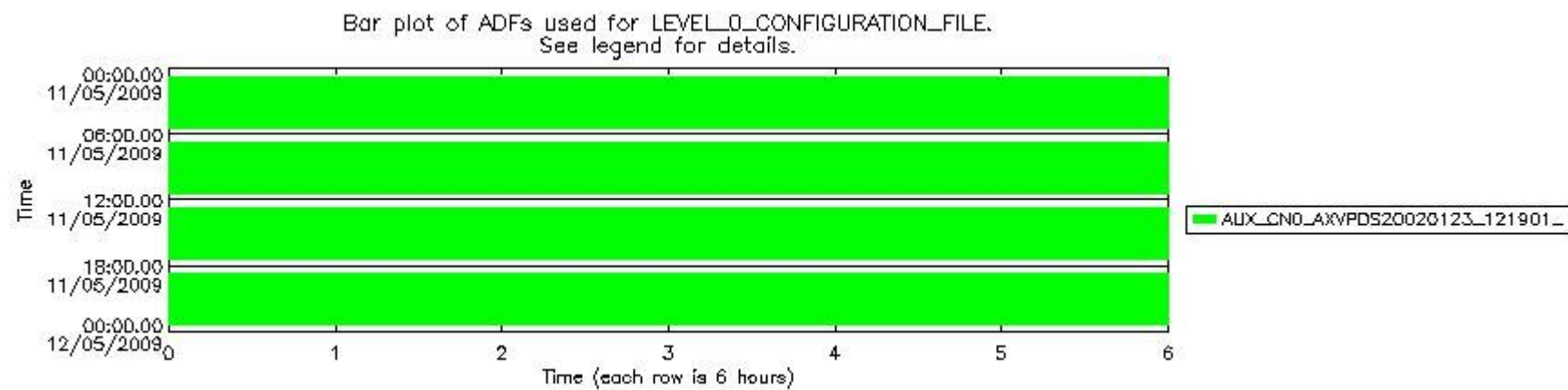
0.4 ADF monitoring

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

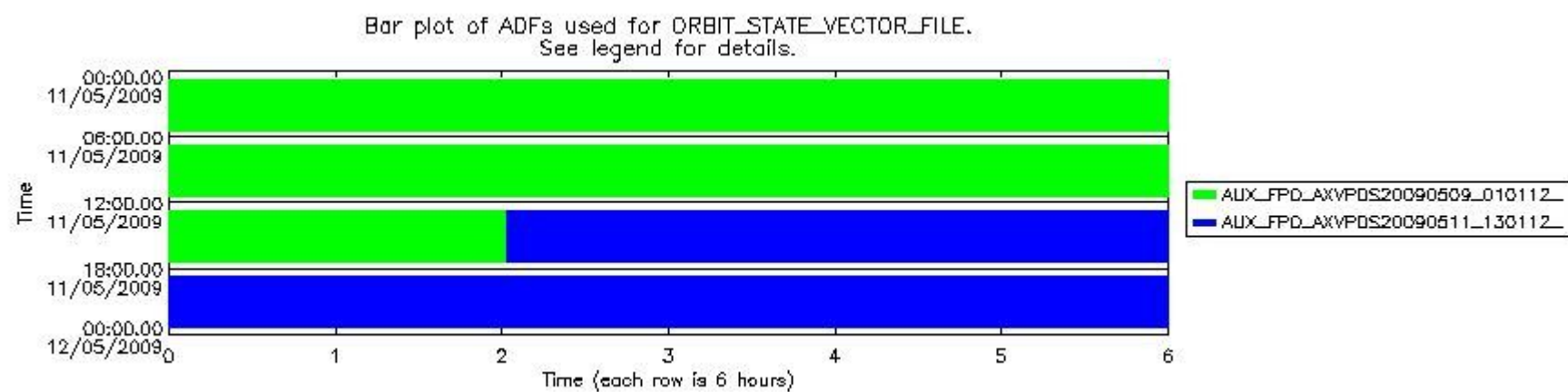
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

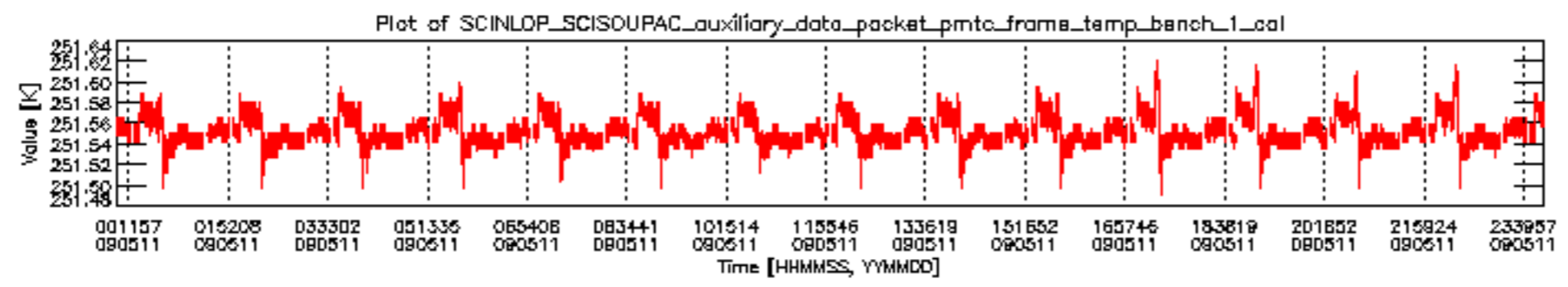
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090509_010112_20090508_183231_20090518_213921
2	AUX_FPO_AXVPDS20090511_130112_20090510_190953_20090520_203607

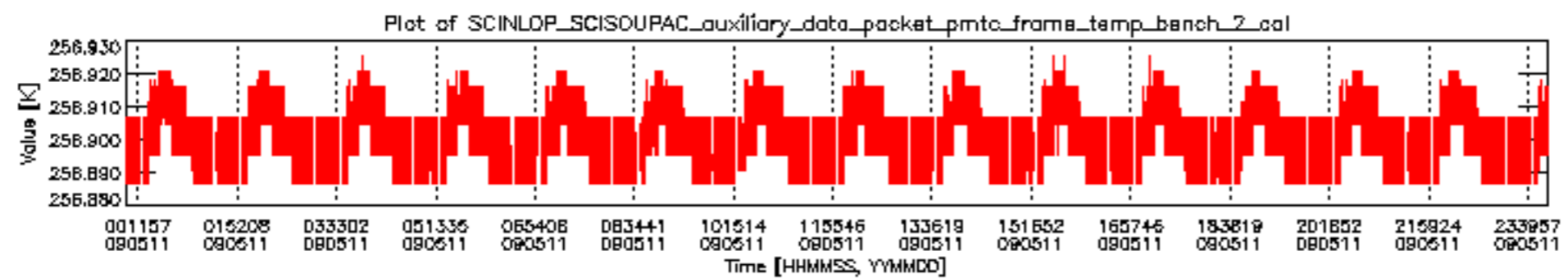


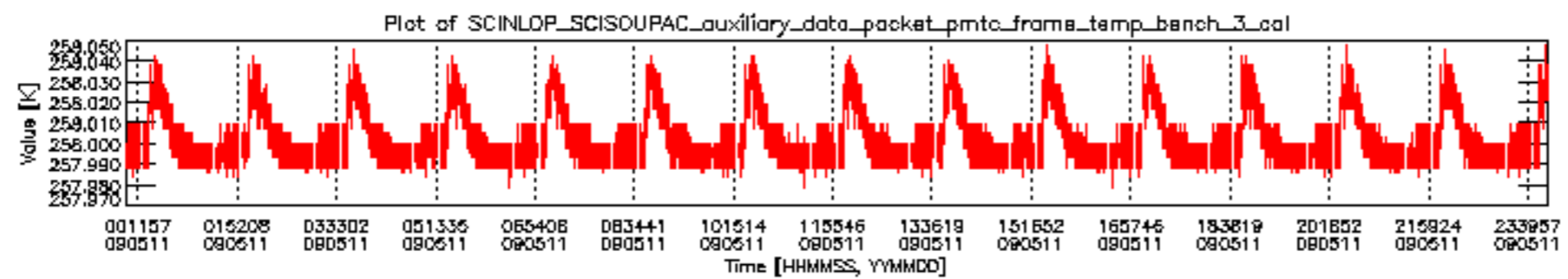
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090511_7.PNG

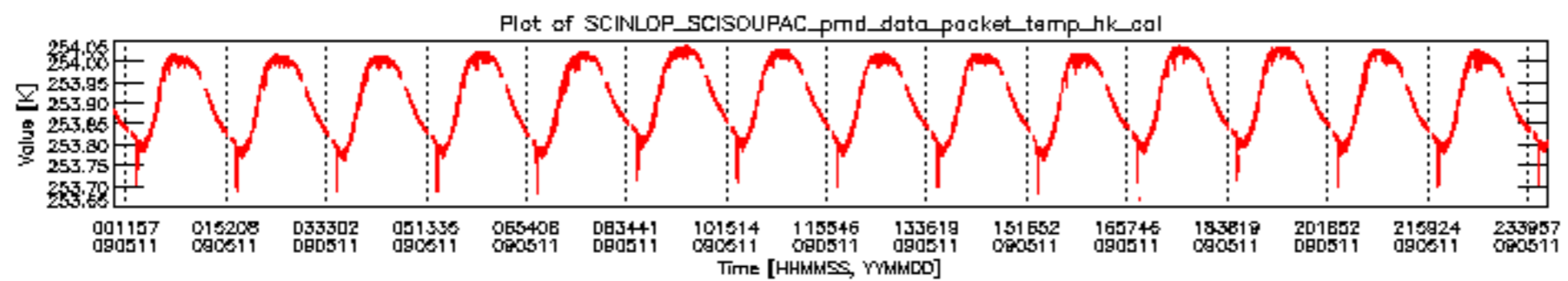


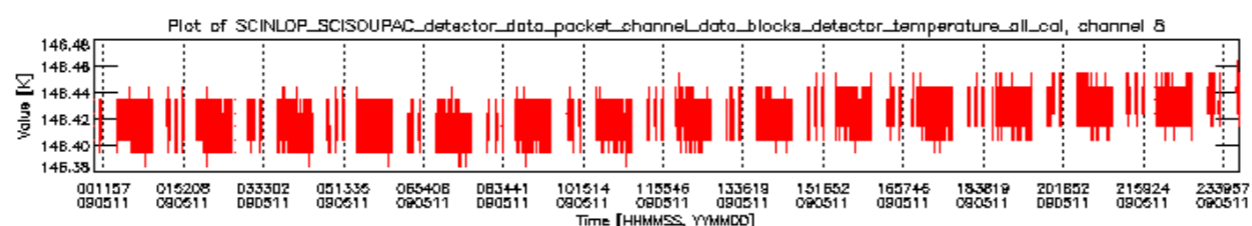
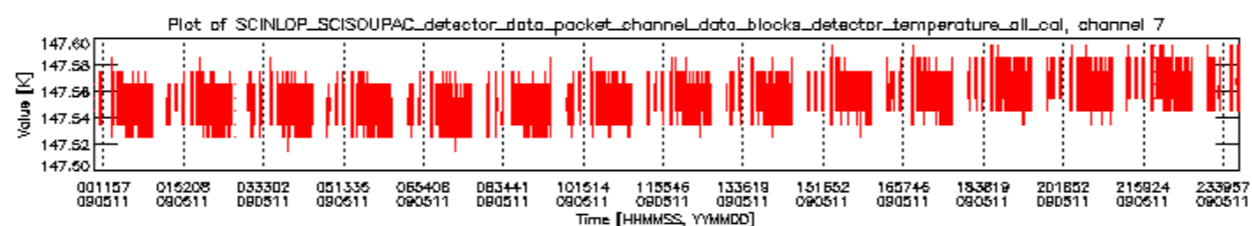
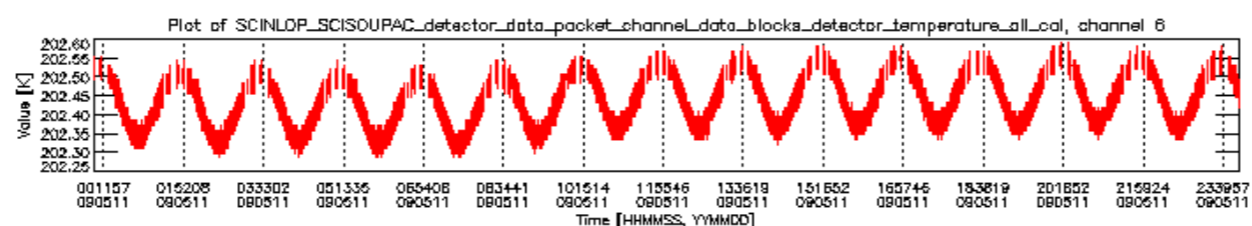
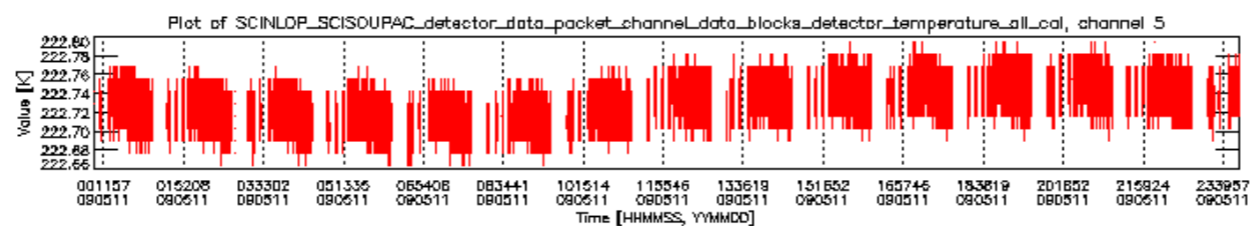
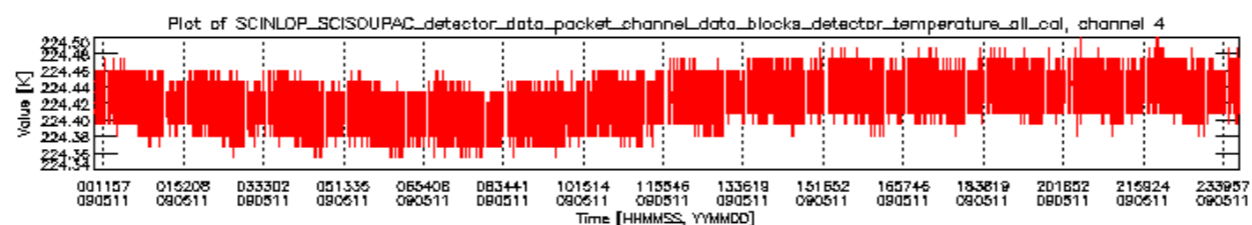
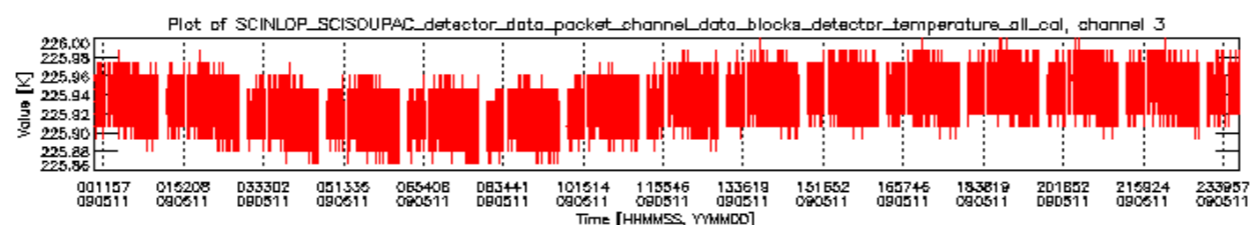
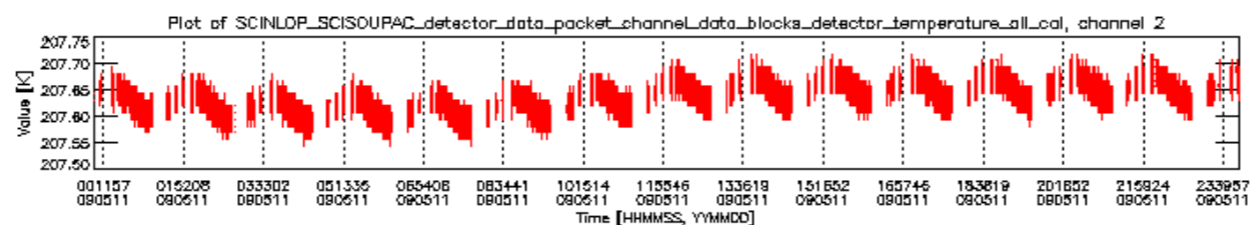
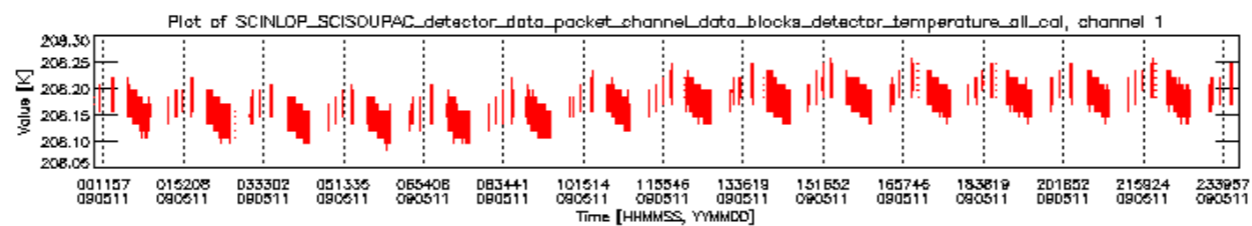
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090511_8.PNG

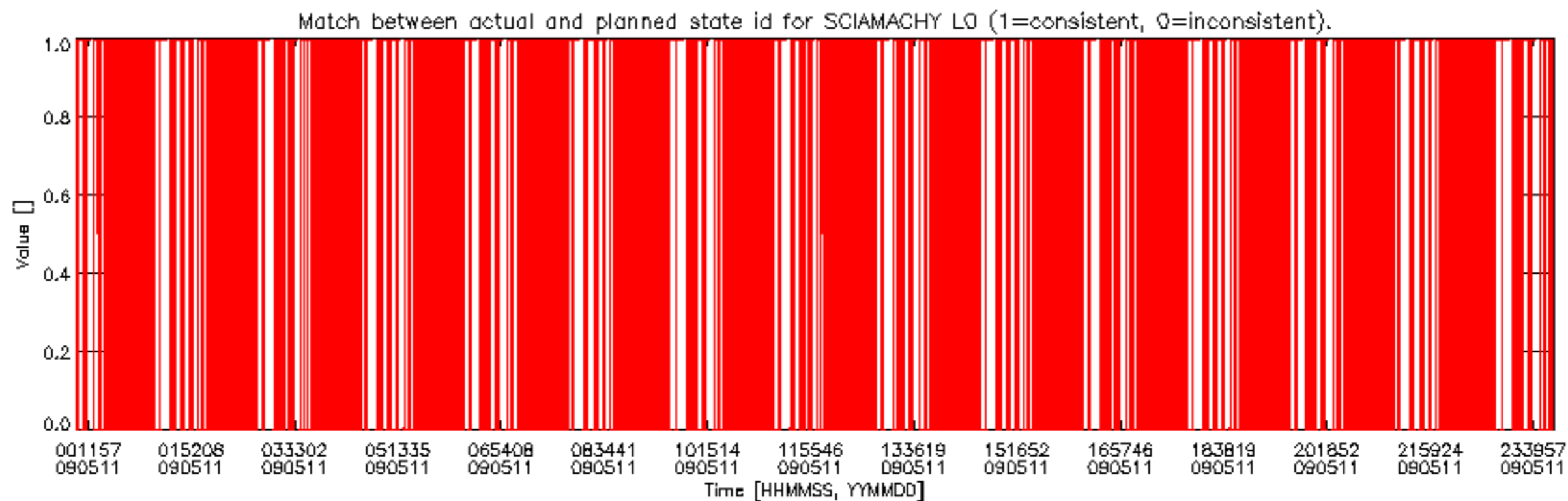
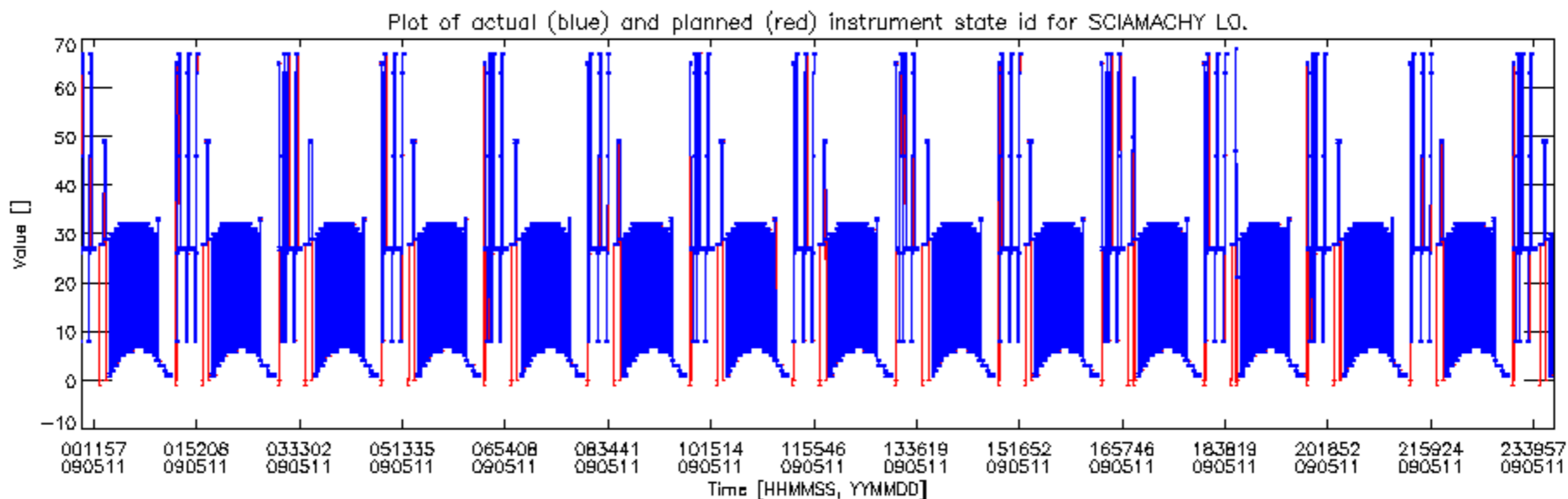












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 11MAY2009.
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