

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	09MAY2009 03:37:46
Data source version	KSPT_L0/4303-N
Processing scope for products	05MAY2009 00:00:00 to 06MAY2009 00:00:00
Start time of first product within scope	04MAY2009 23:48:07
Stop time of last product within scope	06MAY2009 00:57:36
Total number of level 0 products	16
Number of level 0 products with errors	2

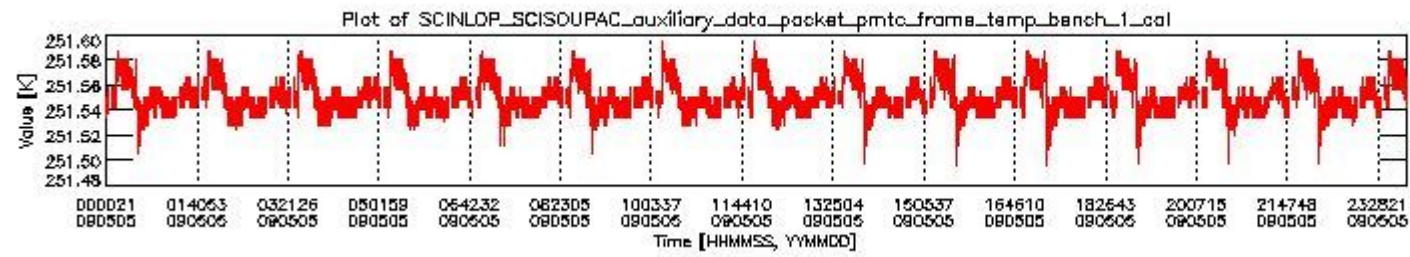
0.1.2 Summary per product

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

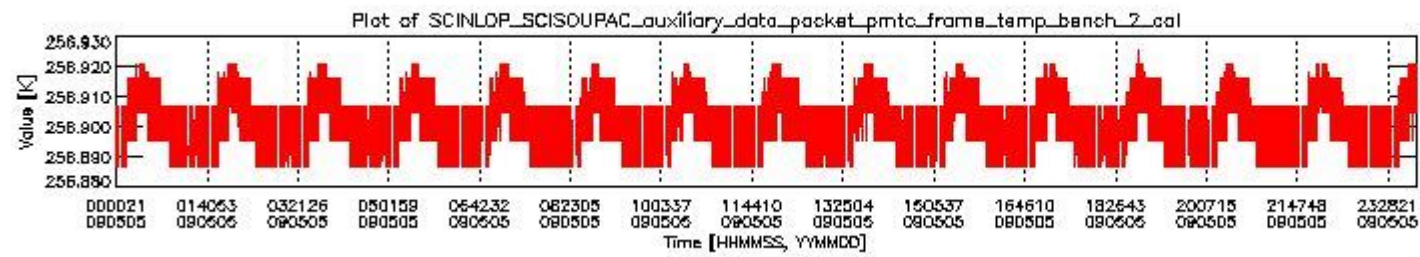
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090504_234807_000059912078_00402_37530_9079.N1	04MAY2009 23:48:07	05MAY2009 01:27:58	0	0	0	0	0
1	SCI_NL__OPNPDE20090505_012714_000047012078_00403_37531_9080.N1	05MAY2009 01:27:14	05MAY2009 02:45:36	0	0	0	0	0
2	SCI_NL__OPNPDE20090505_024536_000057872078_00404_37532_9081.N1	05MAY2009 02:45:36	05MAY2009 04:22:02	0	0	0	0	0
3	SCI_NL__OPNPDE20090505_042202_000060362078_00405_37533_9082.N1	05MAY2009 04:22:02	05MAY2009 06:02:38	0	0	0	0	0
4	SCI_NL__OPNPDK20090505_060130_000041692078_00406_37534_1445.N1	05MAY2009 06:01:30	05MAY2009 07:10:59	0	0	0	0	0
5	SCI_NL__OPNPDK20090505_071059_000061602078_00407_37535_1446.N1	05MAY2009 07:10:59	05MAY2009 08:53:39	0	0	0	0	0
6	SCI_NL__OPNPDK20090505_085243_000059672078_00408_37536_1447.N1	05MAY2009 08:52:43	05MAY2009 10:32:10	0	0	0	0	0
7	SCI_NL__OPNPDK20090505_103114_000060362078_00409_37537_1448.N1	05MAY2009 10:31:14	05MAY2009 12:11:50	0	0	0	0	0
8	SCI_NL__OPNPDK20090505_121041_000059802078_00410_37538_1449.N1	05MAY2009 12:10:41	05MAY2009 13:50:21	0	0	0	0	0
9	SCI_NL__OPNPDK20090505_135021_000059112078_00411_37539_1450.N1	05MAY2009 13:50:21	05MAY2009 15:28:52	1	0	1	0	0
10	SCI_NL__OPNPDK20090505_152744_000058552078_00412_37540_1452.N1	05MAY2009 15:27:44	05MAY2009 17:05:19	0	0	0	0	0
11	SCI_NL__OPNPDK20090505_170314_000060122078_00413_37541_1453.N1	05MAY2009 17:03:14	05MAY2009 18:43:26	1	0	1	0	0
12	SCI_NL__OPNPDK20090505_184326_000060762078_00414_37542_1454.N1	05MAY2009 18:43:26	05MAY2009 20:24:42	0	0	0	0	0
13	SCI_NL__OPNPDE20090505_202238_000043472078_00415_37543_9083.N1	05MAY2009 20:22:38	05MAY2009 21:35:05	0	0	0	0	0
14	SCI_NL__OPNPDE20090505_213421_000060802078_00415_37543_9084.N1	05MAY2009 21:34:21	05MAY2009 23:15:41	0	0	0	0	0
15	SCI_NL__OPNPDE20090505_231457_000061602078_00416_37544_9085.N1	05MAY2009 23:14:57	06MAY2009 00:57:36	0	0	0	0	0

0.2 Product Quality Indicators

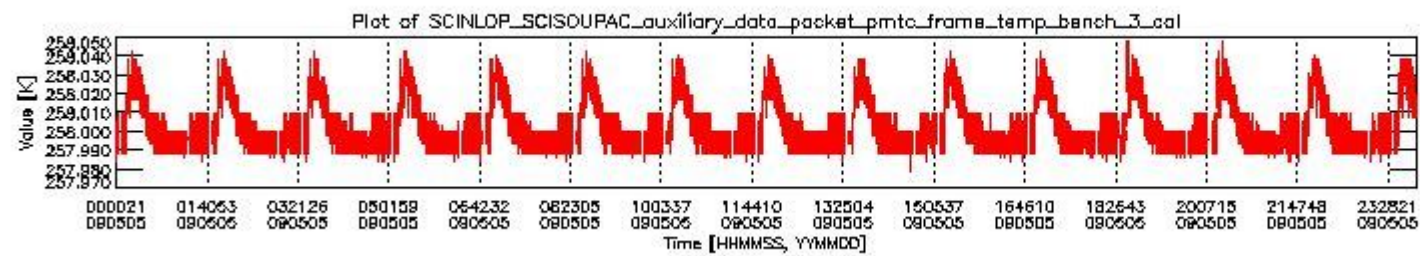
This section shows information about product quality, currently temperatures.



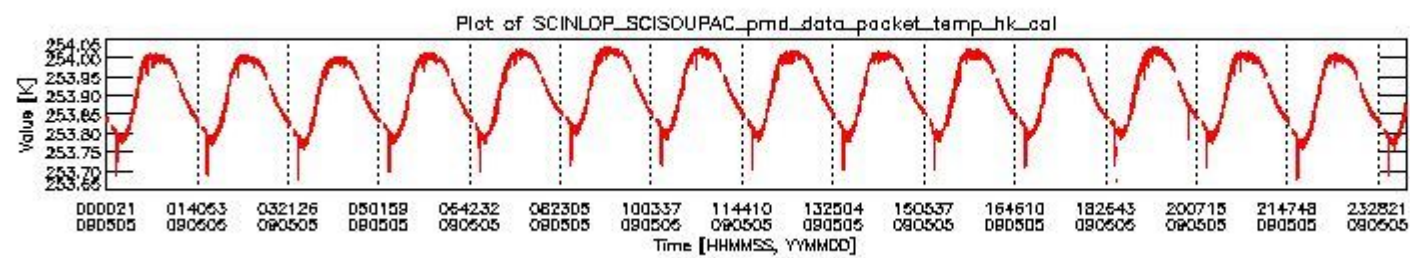
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090505_0.PNG



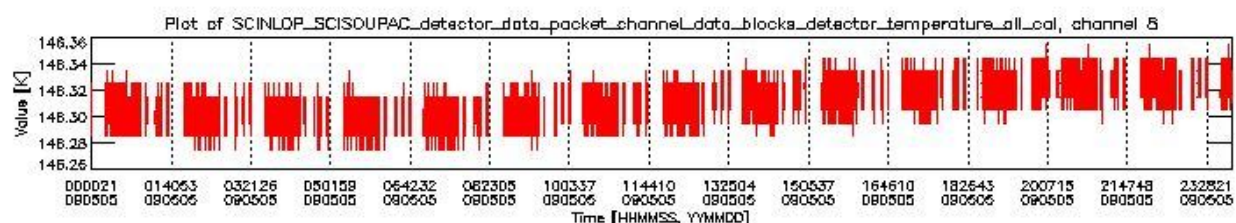
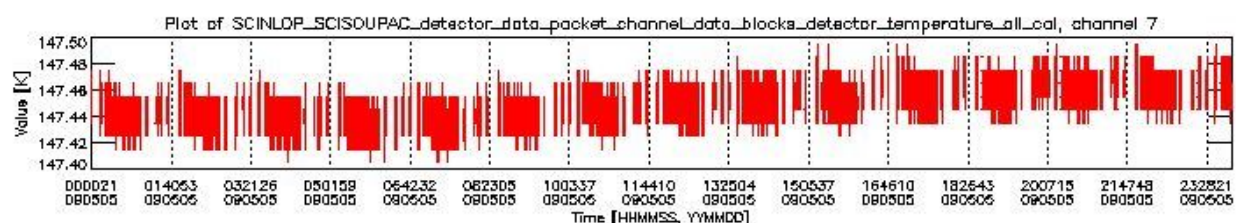
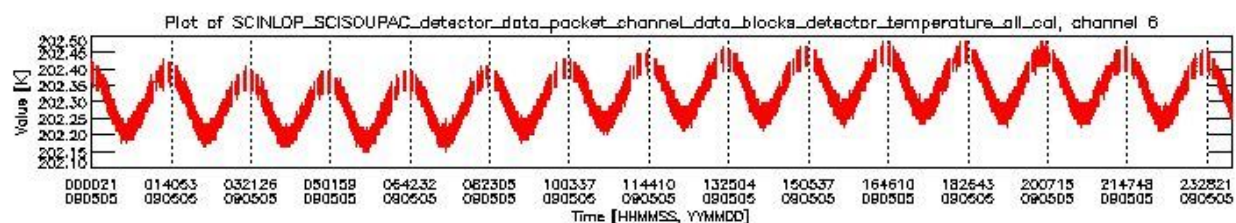
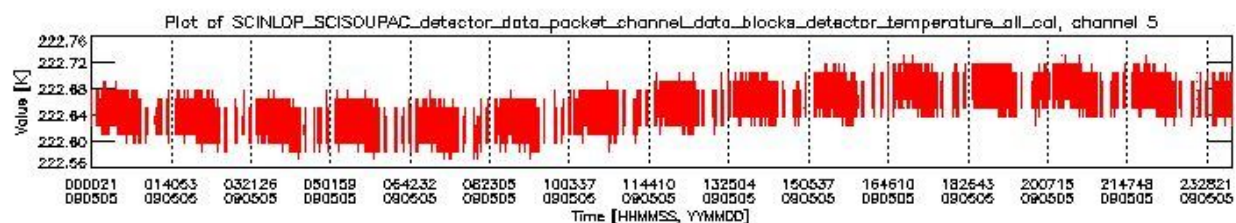
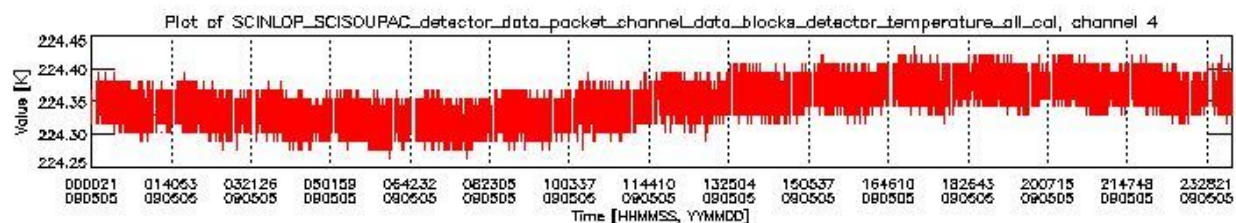
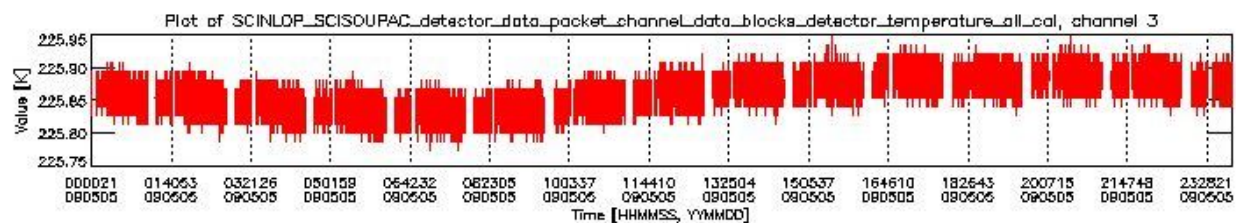
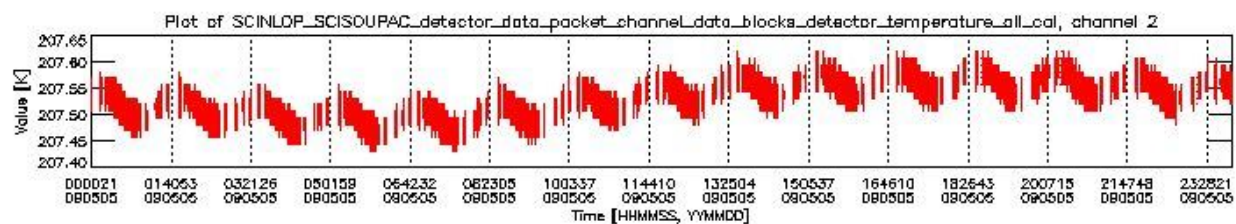
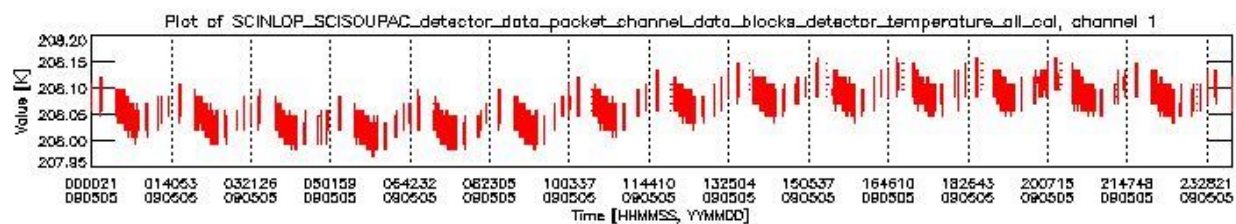
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090505_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090505_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090505_3.PNG

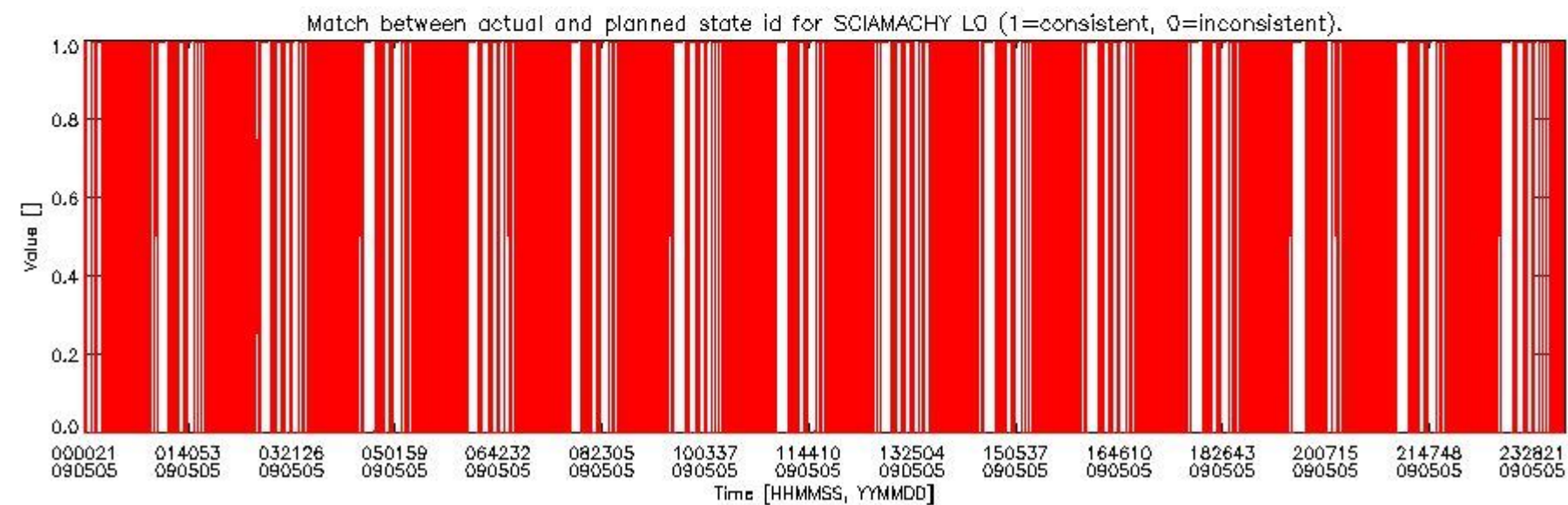
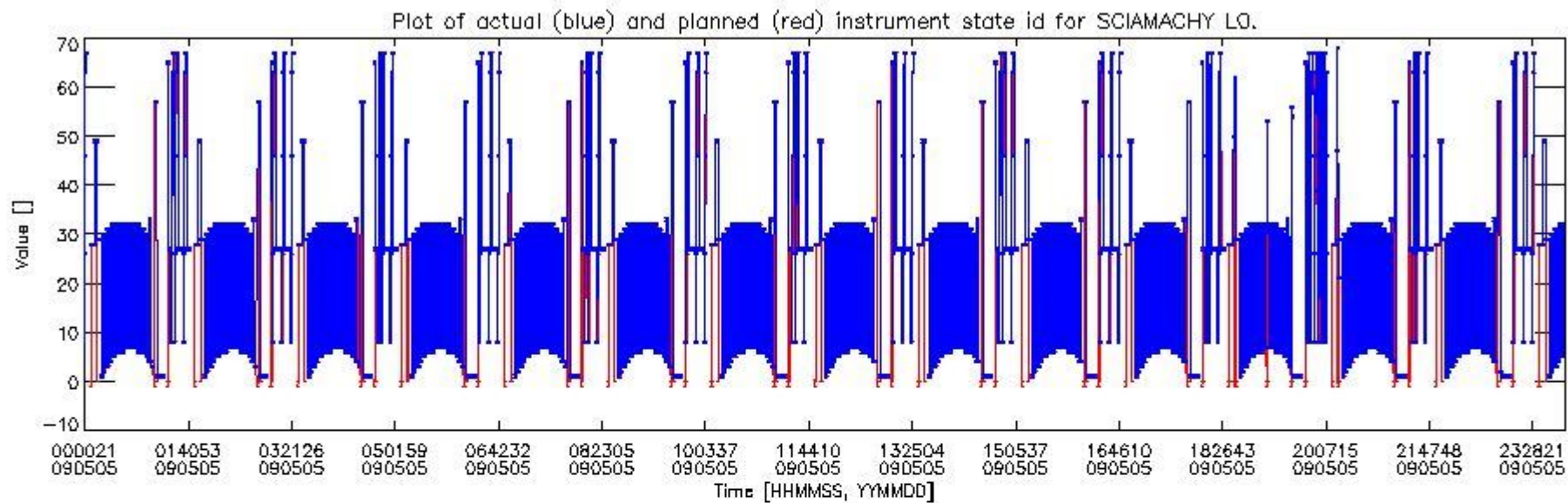


0.3 State monitoring

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: **47746**

#	Actual time	Actual value	Planned time	Planned value
0	05MAY2009 00:00:13.008419	46	05MAY2009 00:00:13.008419	26
1	05MAY2009 00:00:13.633400	46	05MAY2009 00:00:13.633400	26
2	05MAY2009 00:00:14.133418	46	05MAY2009 00:00:14.133418	26
3	05MAY2009 00:00:14.633395	46	05MAY2009 00:00:14.633395	26
4	05MAY2009 00:00:15.133412	46	05MAY2009 00:00:15.133412	26
5	05MAY2009 00:00:15.633389	46	05MAY2009 00:00:15.633389	26
6	05MAY2009 00:00:16.133407	46	05MAY2009 00:00:16.133407	26
7	05MAY2009 00:00:16.633384	46	05MAY2009 00:00:16.633384	26
8	05MAY2009 00:00:17.133401	46	05MAY2009 00:00:17.133401	26
9	05MAY2009 00:00:17.633419	46	05MAY2009 00:00:17.633419	26
10	05MAY2009 00:00:18.008392	46	05MAY2009 00:00:18.008392	26
11	05MAY2009 00:00:18.133396	46	05MAY2009 00:00:18.133396	26
12	05MAY2009 00:00:18.633413	46	05MAY2009 00:00:18.633413	26
13	05MAY2009 00:00:19.133390	46	05MAY2009 00:00:19.133390	26
14	05MAY2009 00:00:19.633408	46	05MAY2009 00:00:19.633408	26
15	05MAY2009 00:00:20.133385	46	05MAY2009 00:00:20.133385	26
16	05MAY2009 00:00:20.633402	46	05MAY2009 00:00:20.633402	26
17	05MAY2009 00:00:21.133420	46	05MAY2009 00:00:21.133420	26
18	05MAY2009 00:00:21.633397	46	05MAY2009 00:00:21.633397	26
19	05MAY2009 00:00:22.133414	46	05MAY2009 00:00:22.133414	26

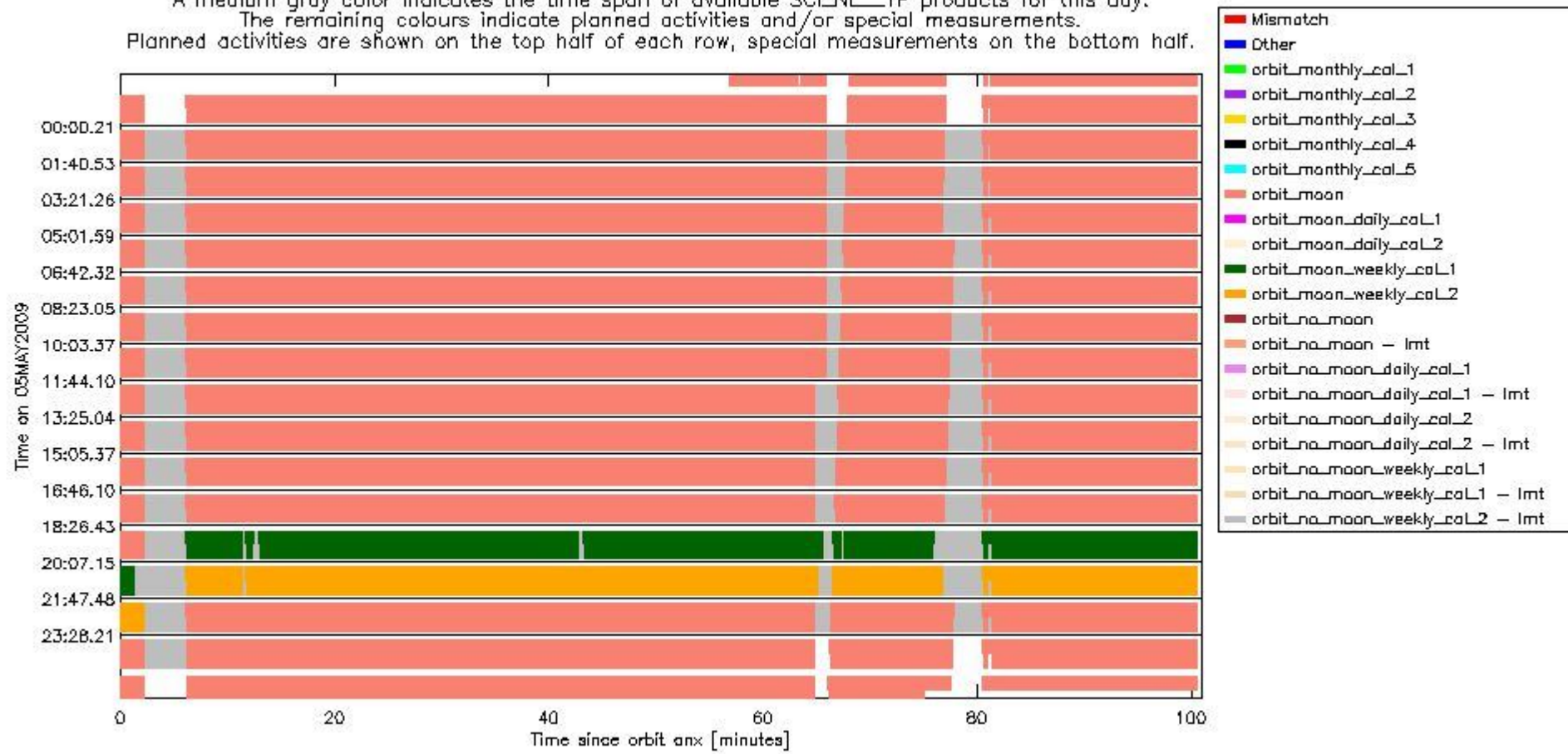


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090505_5.PNG

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 Q5MAY2009.
 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_20090505_6.PNG

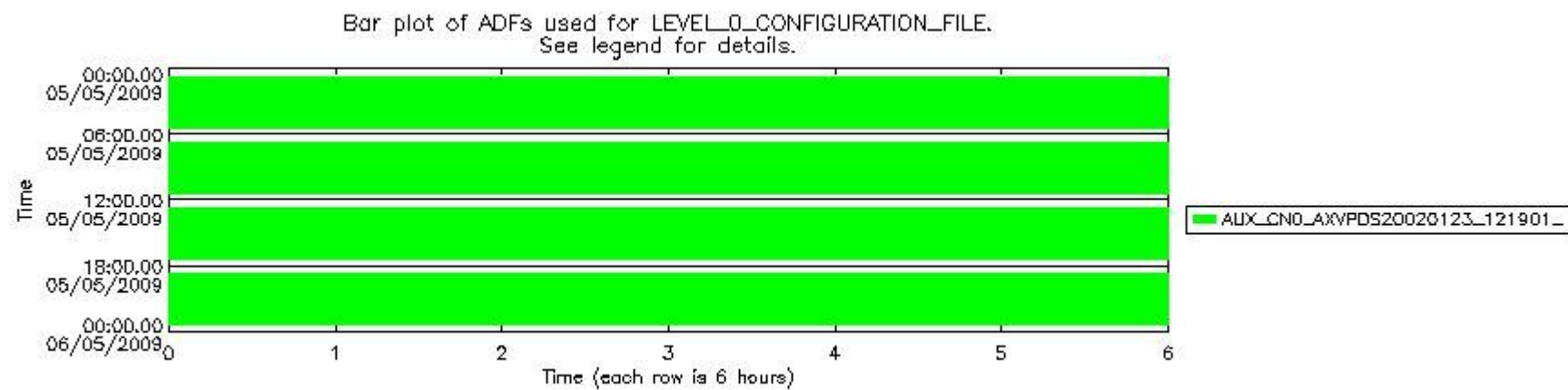
0.4 ADF monitoring

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

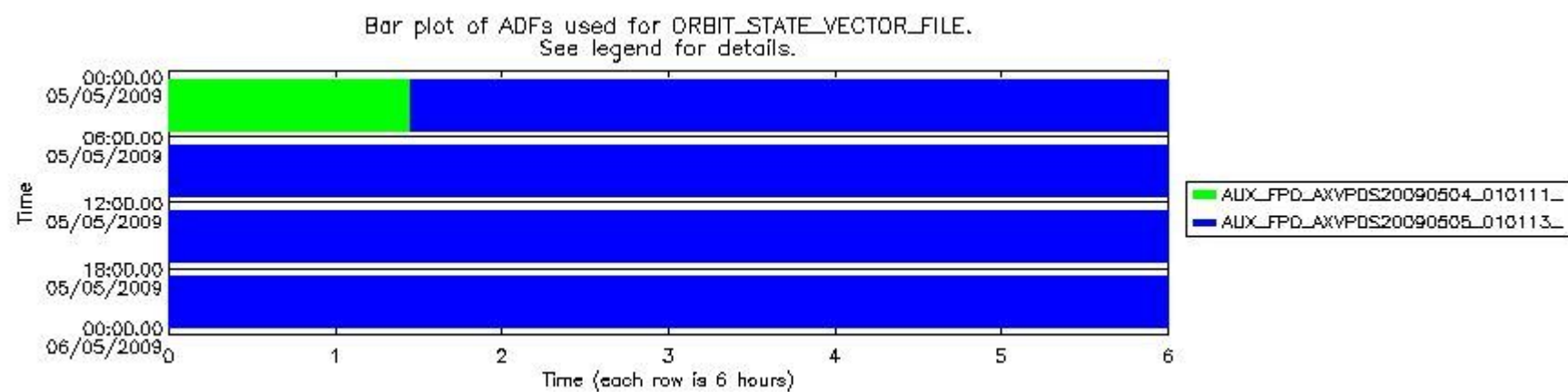
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

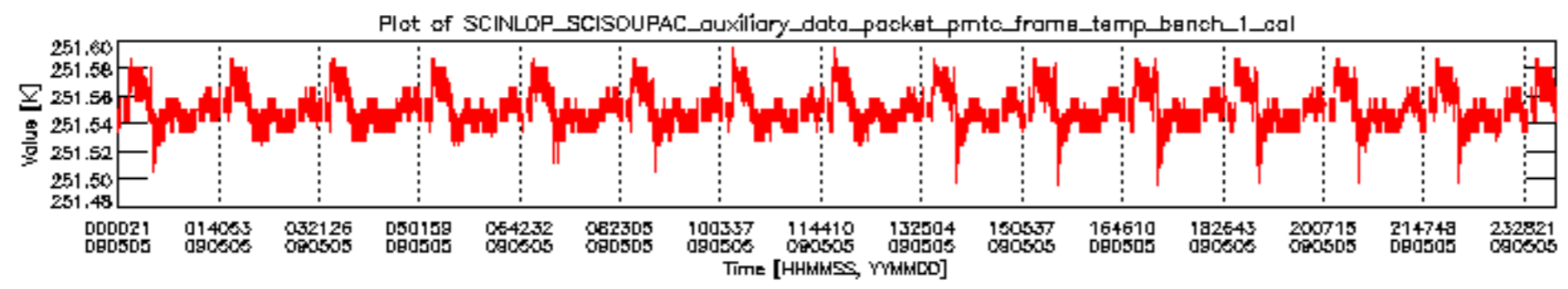
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090504_010111_20090503_193000_20090513_205614
2	AUX_FPO_AXVPDS20090505_010113_20090504_185823_20090514_202437

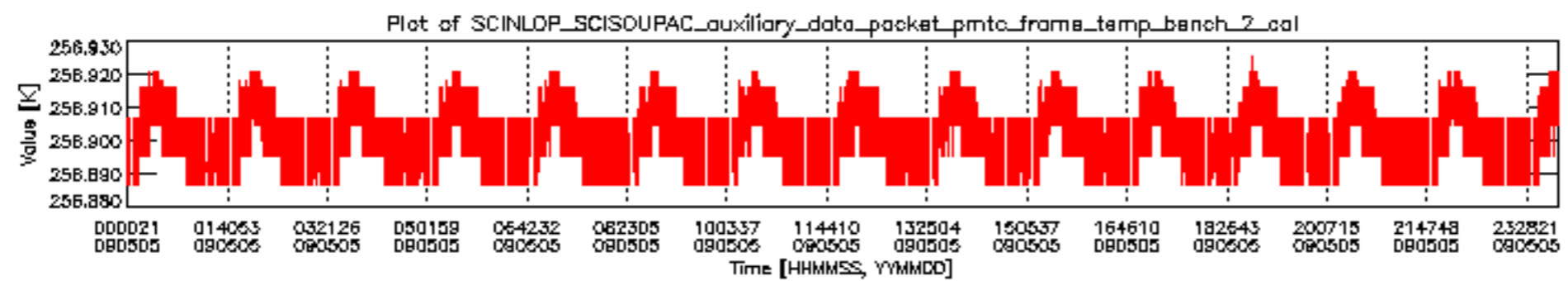


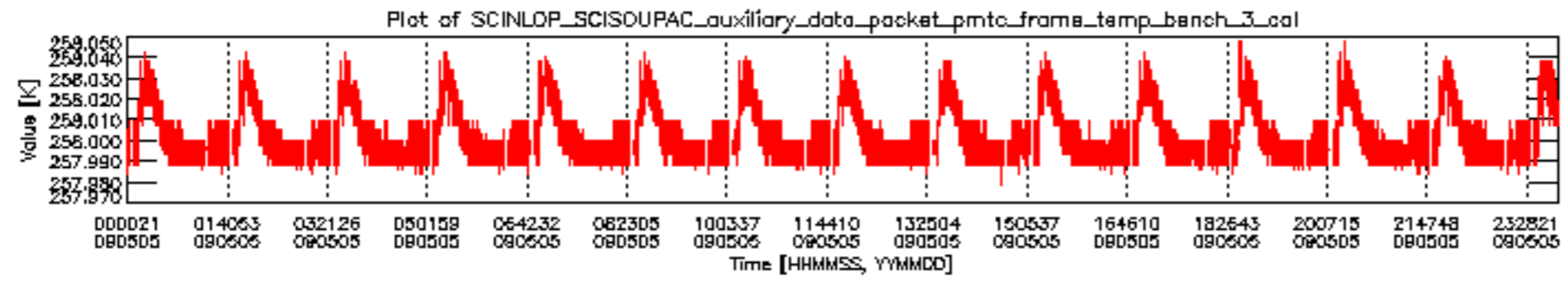
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090505_7.PNG

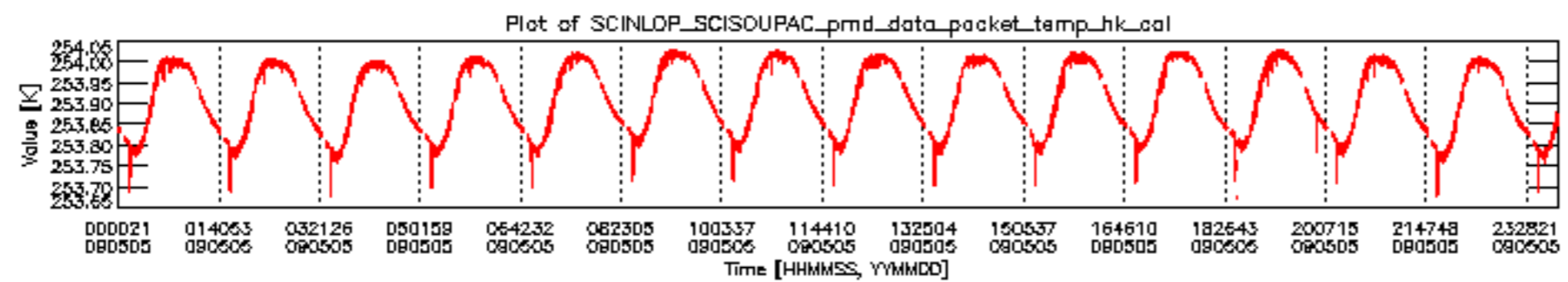


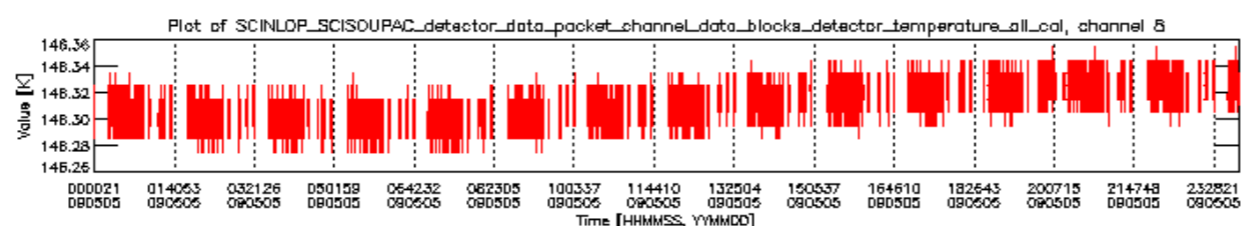
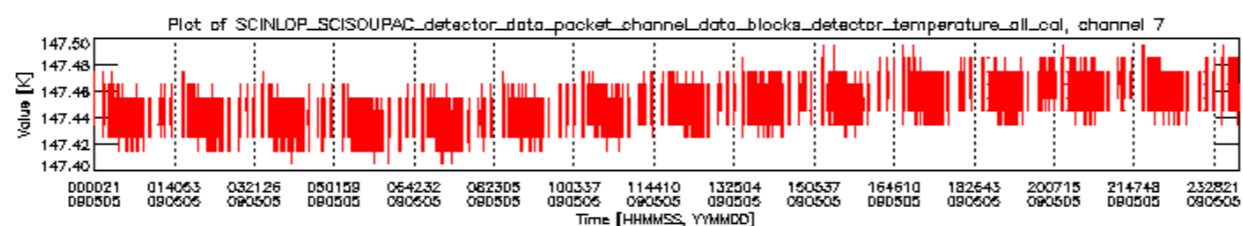
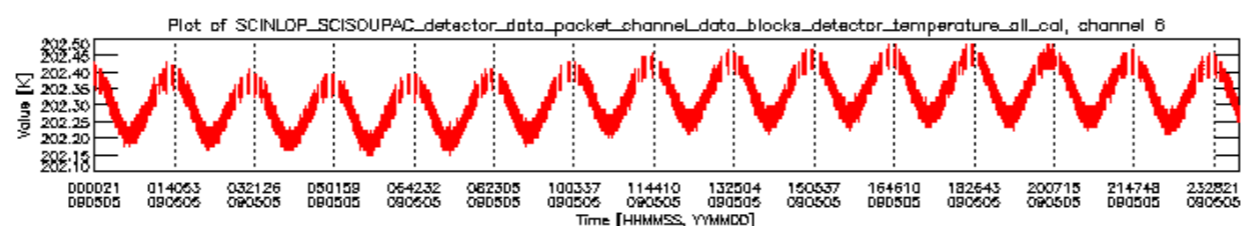
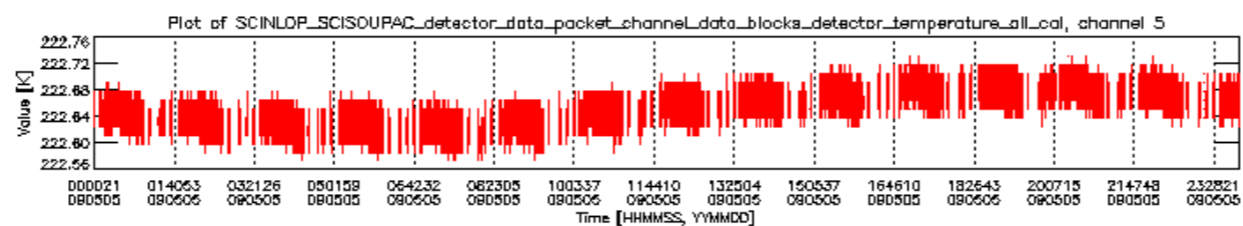
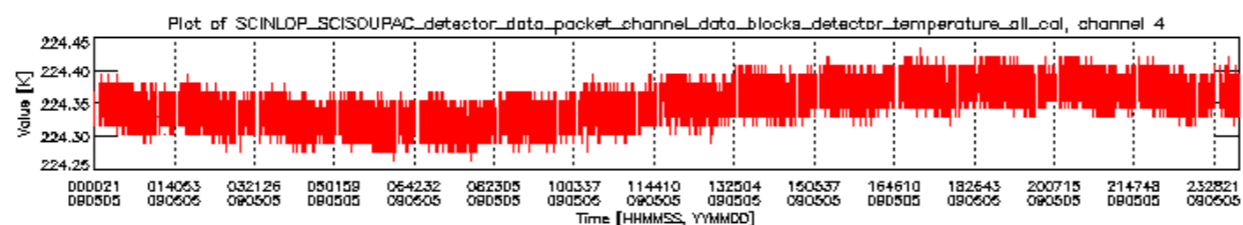
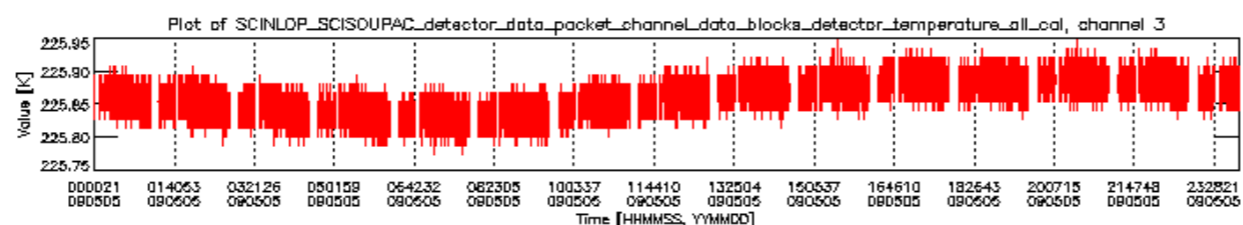
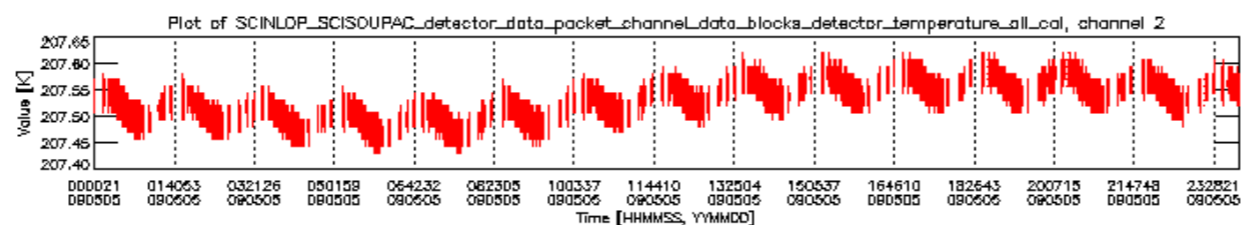
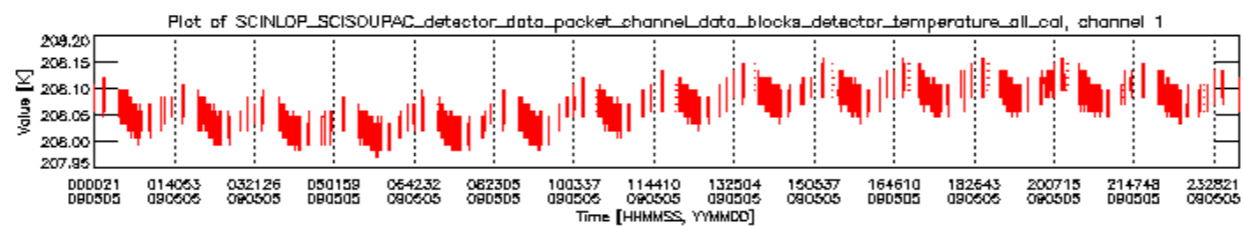
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090505_8.PNG

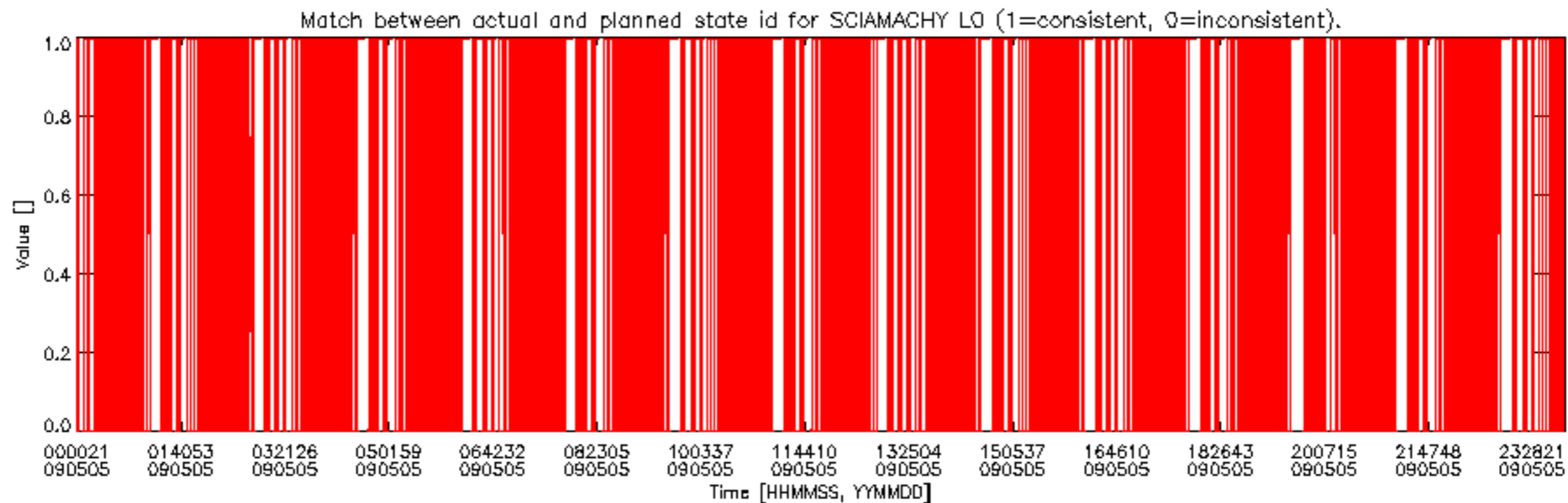
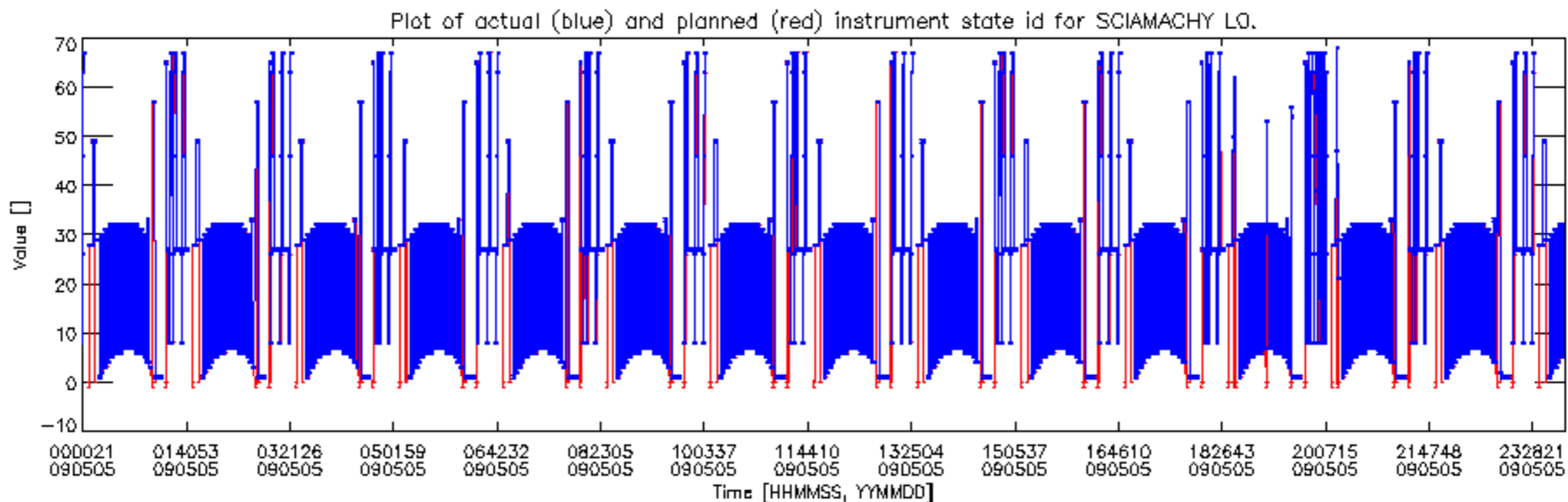












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 05MAY2009.
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