

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	11APR2009 04:36:07
Data source version	KSPT_L0/4303-N
Processing scope for products	07APR2009 00:00:00 to 08APR2009 00:00:00
Start time of first product within scope	07APR2009 12:32:02
Stop time of last product within scope	08APR2009 00:38:26
Total number of level 0 products	8
Number of level 0 products with errors	1

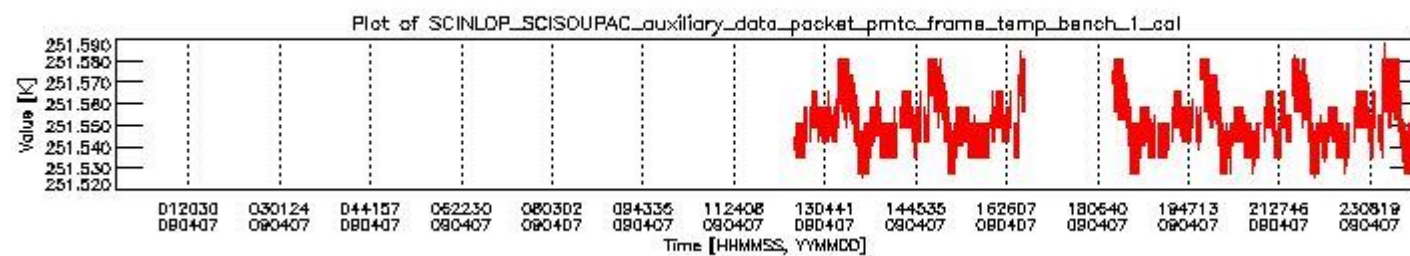
0.1.2 Summary per product

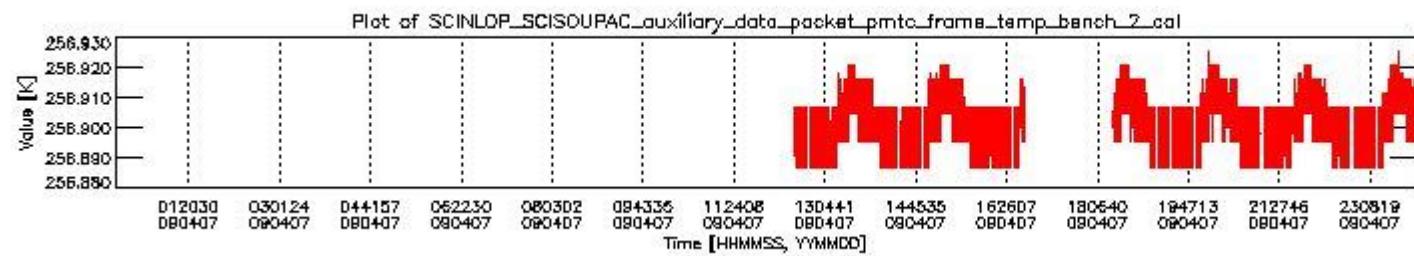
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20090407_123202_000035072078_00009_37137_1201.N1	07APR2009 12:32:02	07APR2009 13:30:29	0	0	0	0	0
1	SCI_NL__0PNPDK20090407_132921_000059802078_00010_37138_1202.N1	07APR2009 13:29:21	07APR2009 15:09:00	0	0	0	0	0
2	SCI_NL__0PNPDK20090407_150752_000058552078_00011_37139_1203.N1	07APR2009 15:07:52	07APR2009 16:45:27	0	0	0	0	0
3	SCI_NL__0PNPDK20090407_164419_000060572078_00012_37140_1204.N1	07APR2009 16:44:19	07APR2009 18:25:16	1	1	0	0	0
4	SCI_NL__0PNPDK20090407_182420_000058262078_00013_37141_1205.N1	07APR2009 18:24:20	07APR2009 20:01:26	0	0	0	0	0
5	SCI_NL__0PNPDE20090407_200126_000043332078_00014_37142_8902.N1	07APR2009 20:01:26	07APR2009 21:13:39	0	0	0	0	0
6	SCI_NL__0PNPDE20090407_211219_000062022078_00014_37142_8903.N1	07APR2009 21:12:19	07APR2009 22:55:41	0	0	0	0	0
7	SCI_NL__0PNPDE20090407_225541_000061652078_00015_37143_8904.N1	07APR2009 22:55:41	08APR2009 00:38:26	0	0	0	0	0

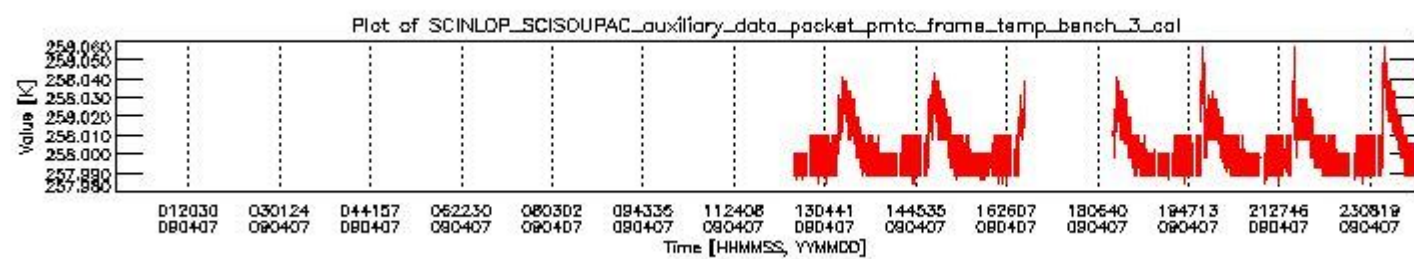
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

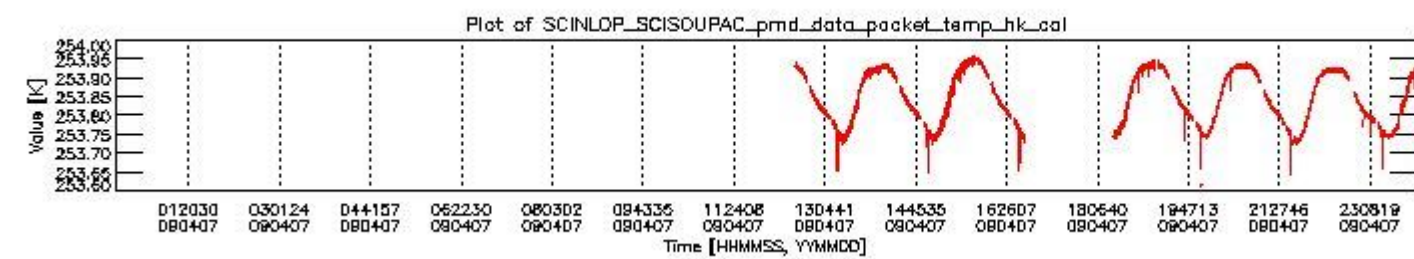




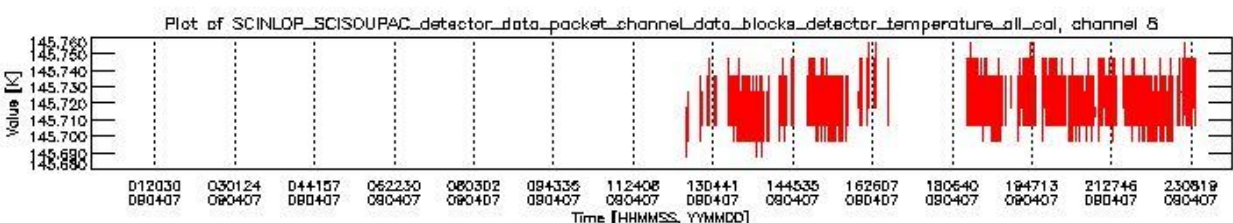
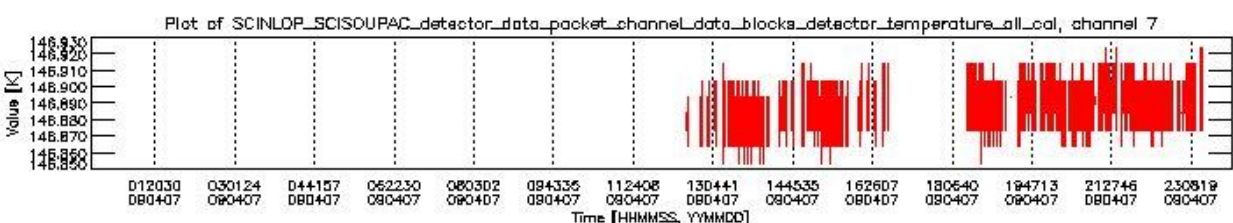
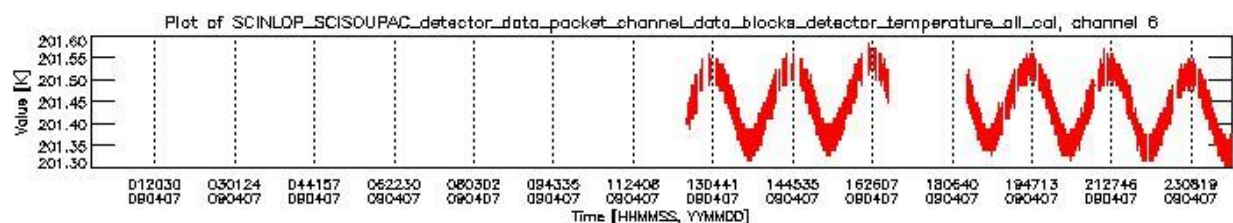
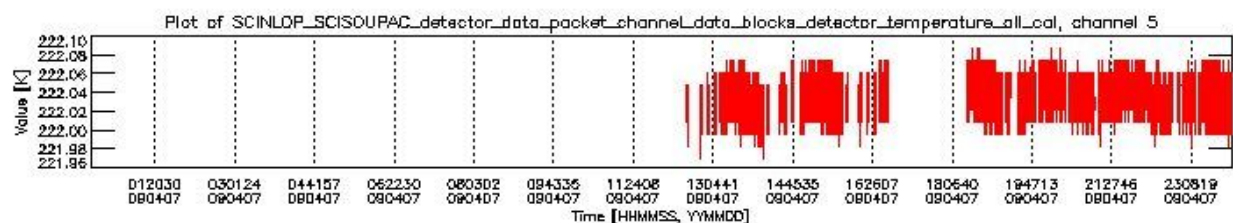
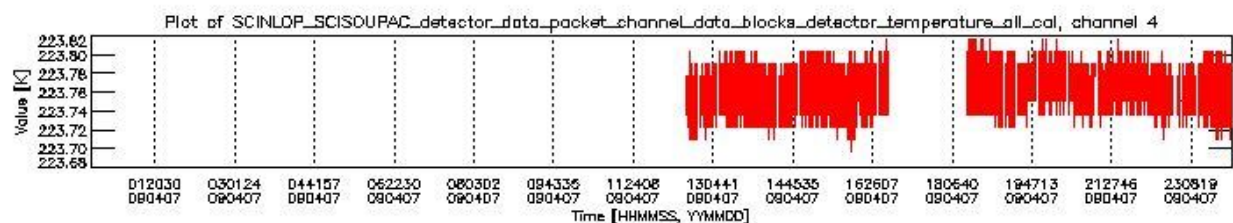
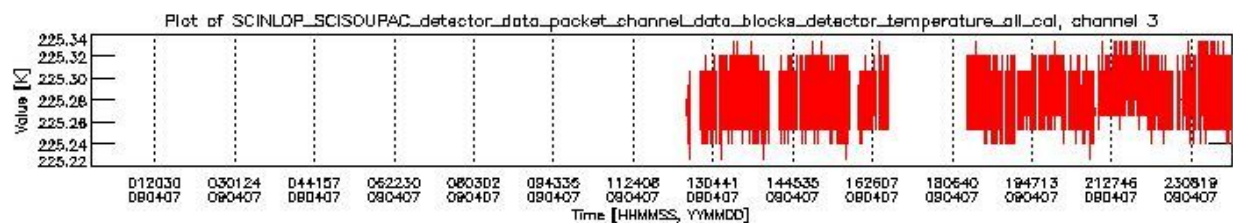
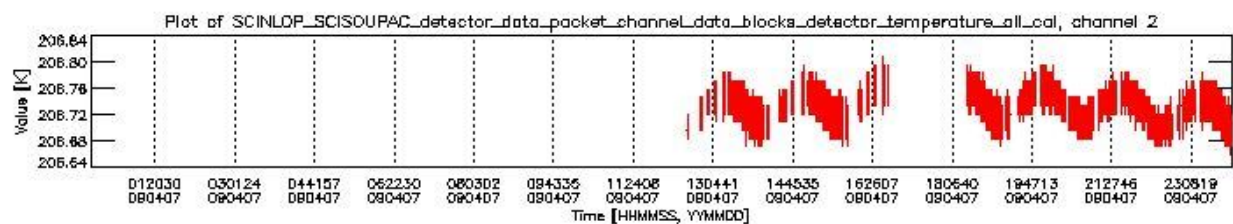
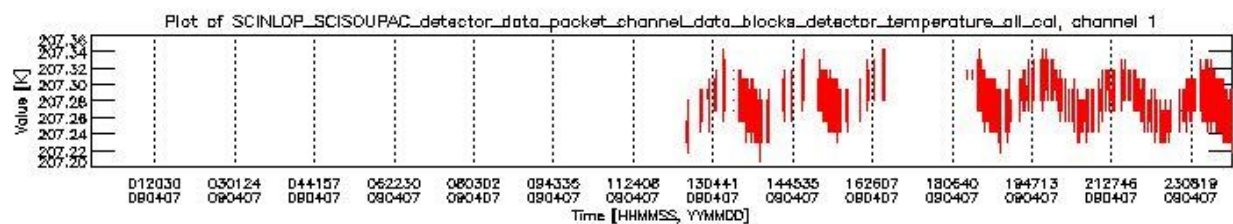
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090407_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090407_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090407_3.PNG

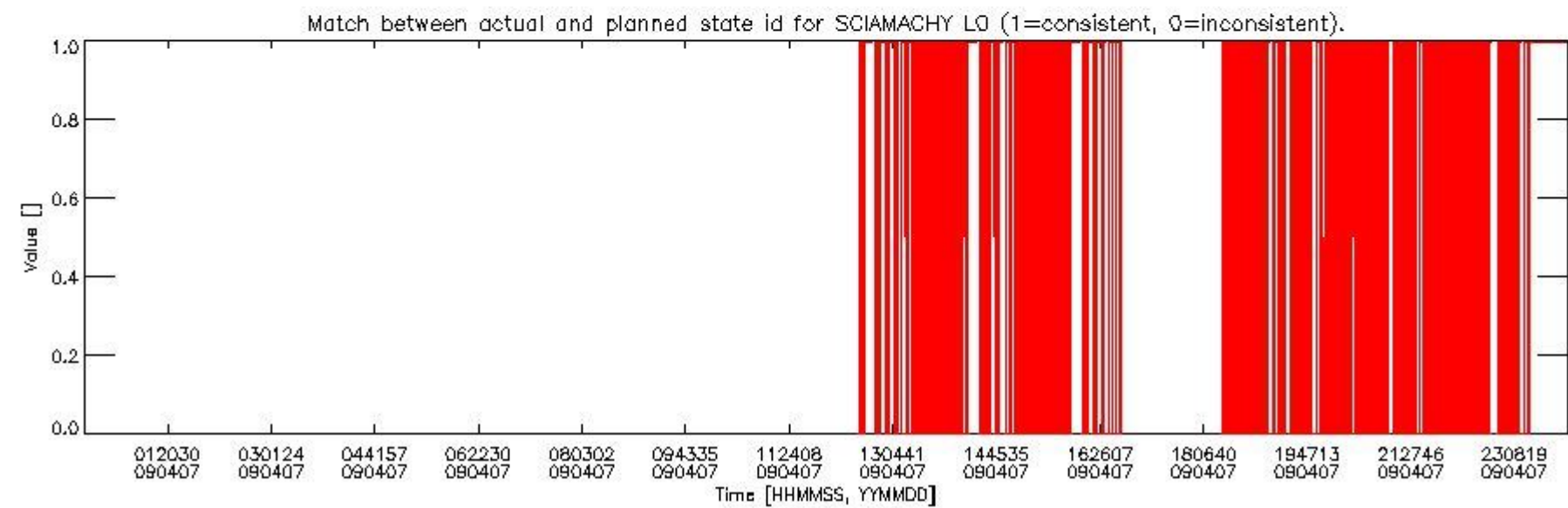
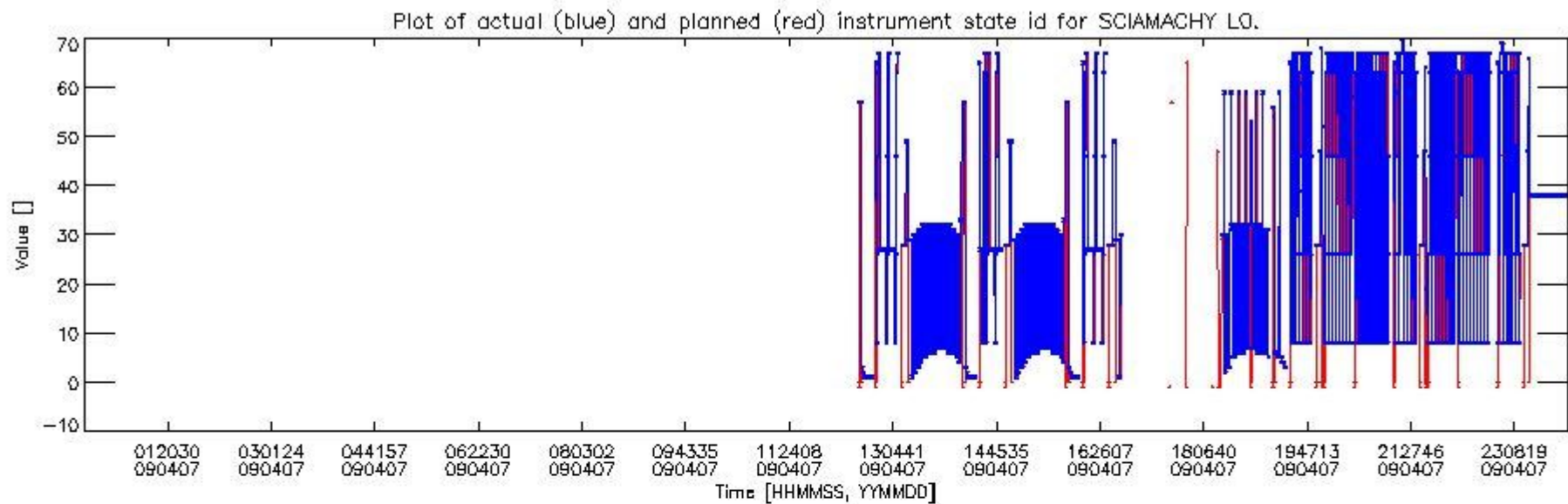


0.3 State monitoring

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: **24699**

#	Actual time	Actual value	Planned time	Planned value
0	07APR2009 12:32:02.900856	57	07APR2009 12:32:02.900856	0
1	07APR2009 12:32:04.025854	57	07APR2009 12:32:04.025854	0
2	07APR2009 12:32:05.025849	57	07APR2009 12:32:05.025849	0
3	07APR2009 12:32:06.025844	57	07APR2009 12:32:06.025844	0
4	07APR2009 12:32:07.025838	57	07APR2009 12:32:07.025838	0
5	07APR2009 12:32:07.900828	57	07APR2009 12:32:07.900828	0
6	07APR2009 12:32:08.025833	57	07APR2009 12:32:08.025833	0
7	07APR2009 12:32:09.025827	57	07APR2009 12:32:09.025827	0
8	07APR2009 12:32:10.025822	57	07APR2009 12:32:10.025822	0
9	07APR2009 12:32:11.025857	57	07APR2009 12:32:11.025857	0
10	07APR2009 12:32:12.025851	57	07APR2009 12:32:12.025851	0
11	07APR2009 12:32:12.900842	57	07APR2009 12:32:12.900842	0
12	07APR2009 12:32:13.025846	57	07APR2009 12:32:13.025846	0
13	07APR2009 12:32:14.025840	57	07APR2009 12:32:14.025840	0
14	07APR2009 12:32:15.025835	57	07APR2009 12:32:15.025835	0
15	07APR2009 12:32:16.025830	57	07APR2009 12:32:16.025830	0
16	07APR2009 12:34:18.447737	3	07APR2009 12:34:18.447737	0
17	07APR2009 12:34:18.697745	3	07APR2009 12:34:18.697745	0
18	07APR2009 12:34:18.822709	3	07APR2009 12:34:18.822709	0
19	07APR2009 12:34:18.947714	3	07APR2009 12:34:18.947714	0

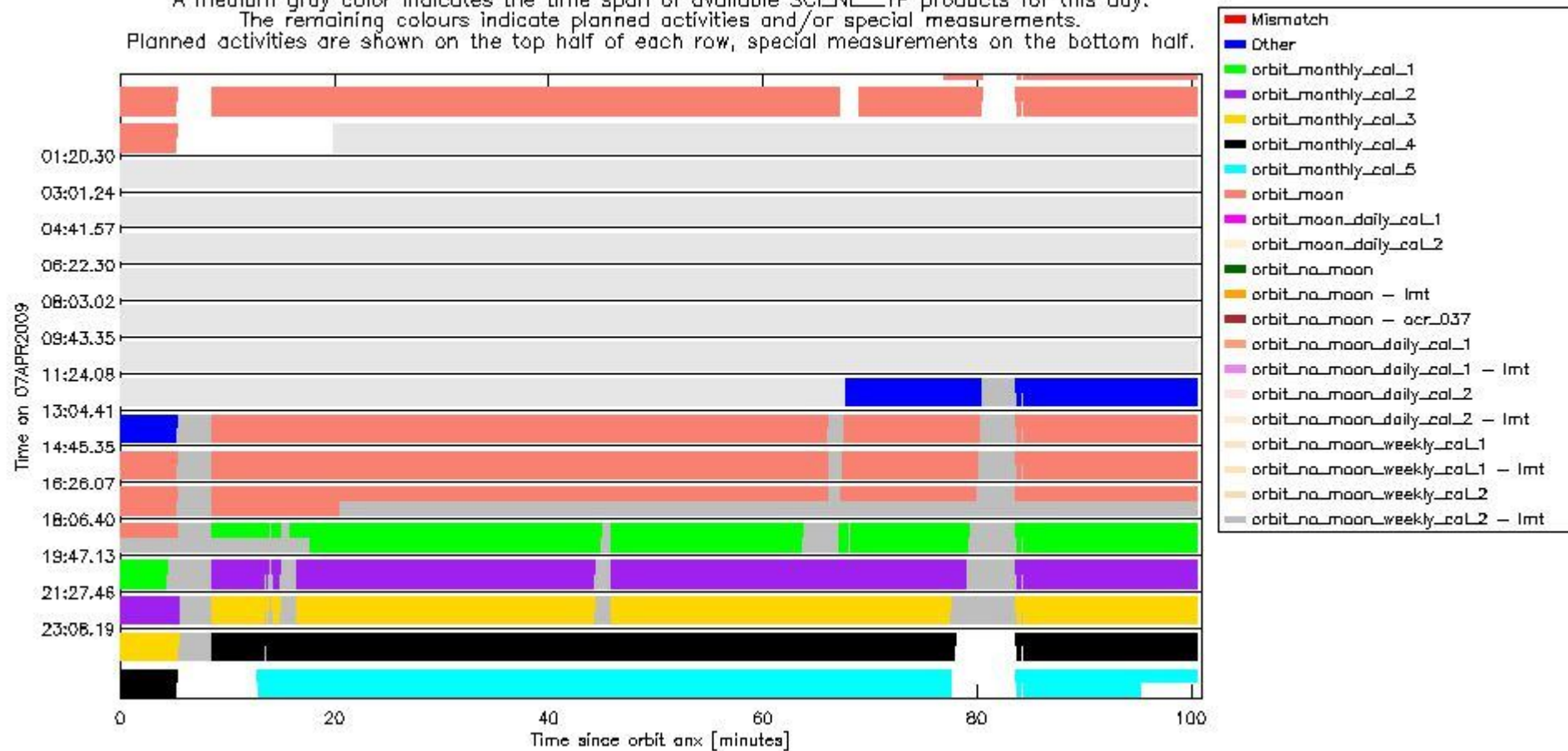


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090407_5.PNG

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 07APR2009.
 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_20090407_6.PNG

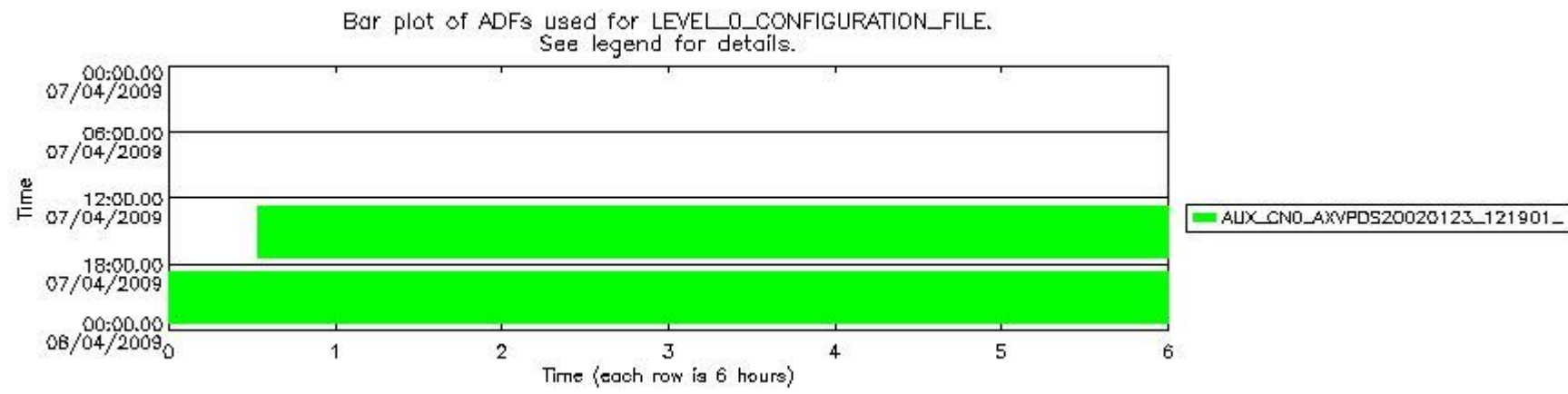
0.4 ADF monitoring

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

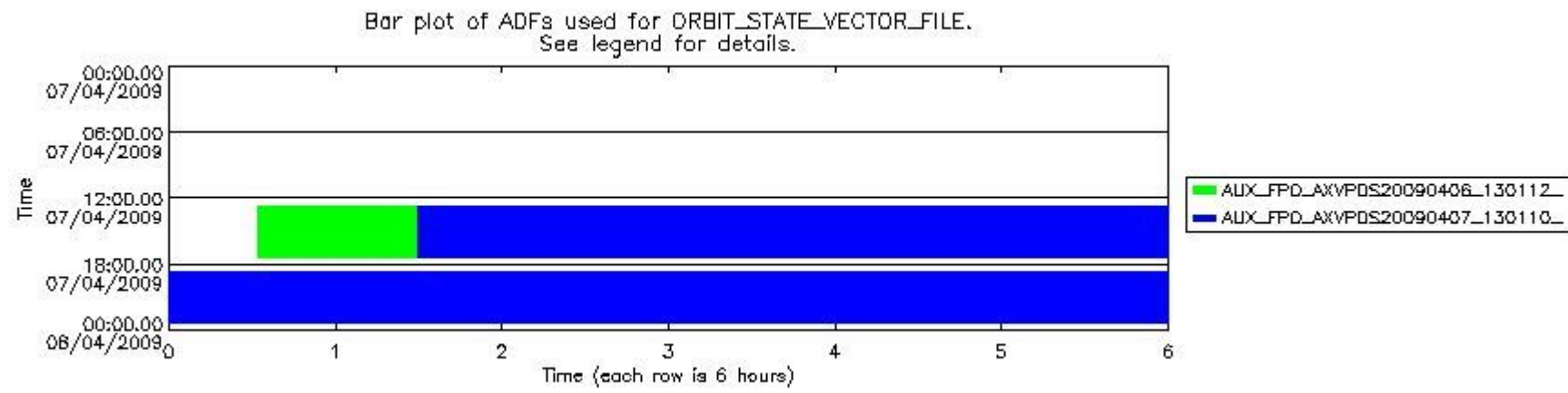
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

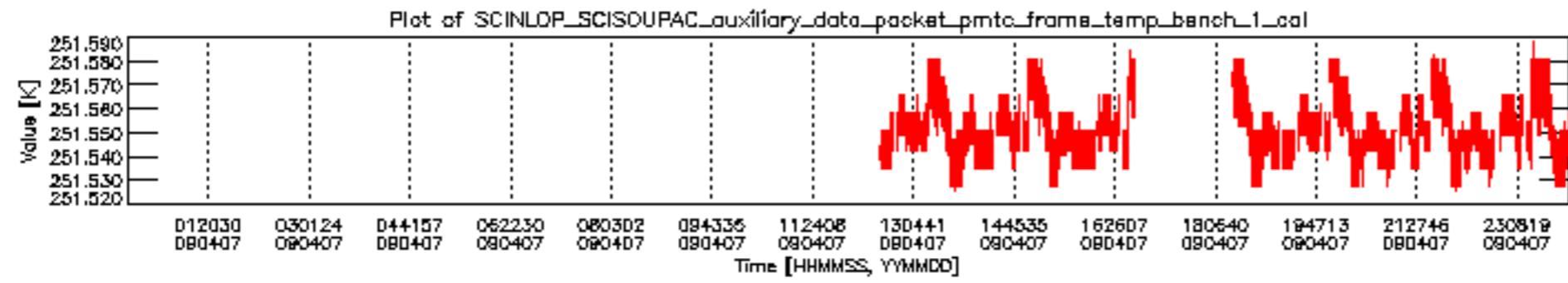
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090406_130112_20090406_101513_20090415_185526
2	AUX_FPO_AXVPDS20090407_130110_20090406_183813_20090416_200424

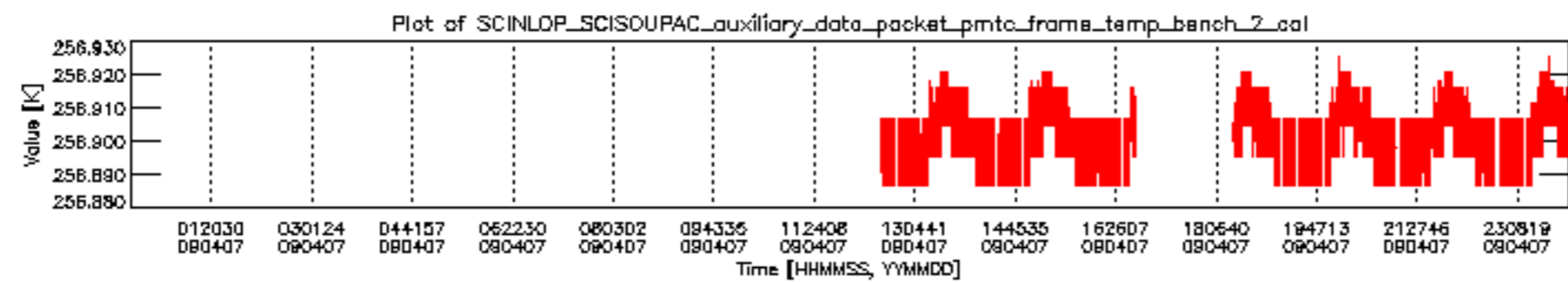


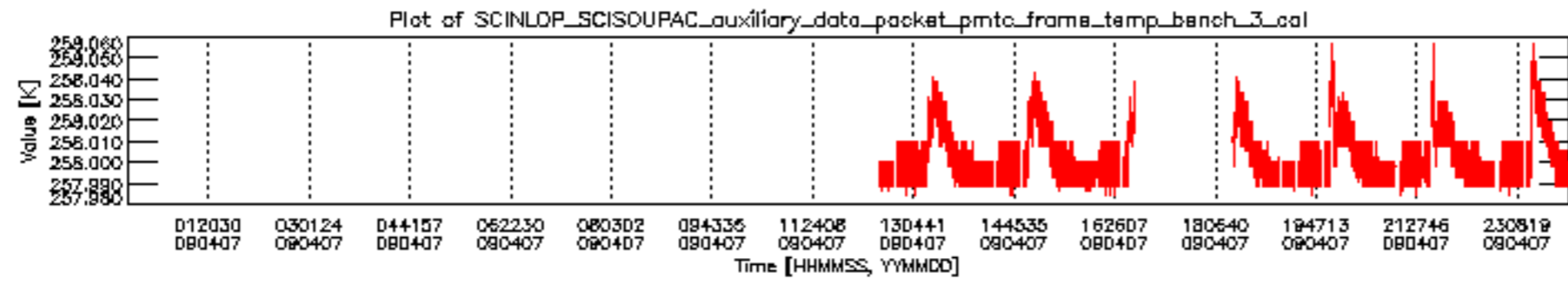
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090407_7.PNG

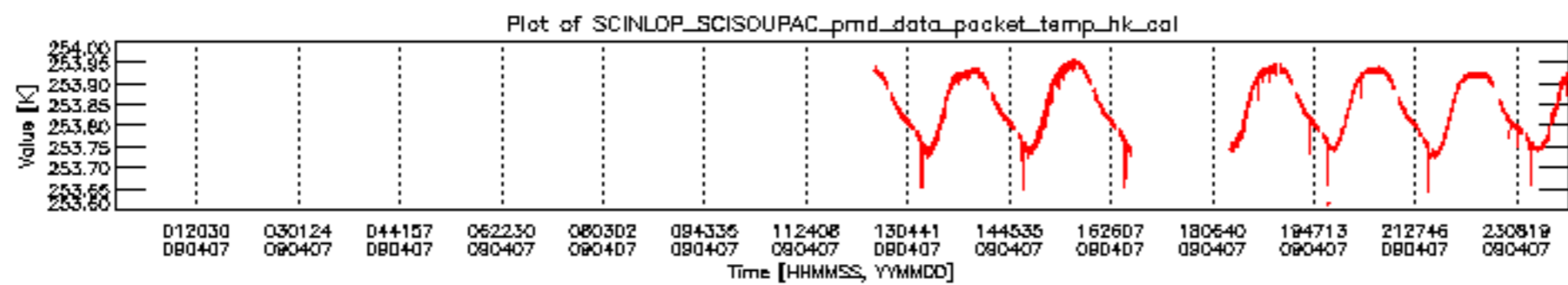


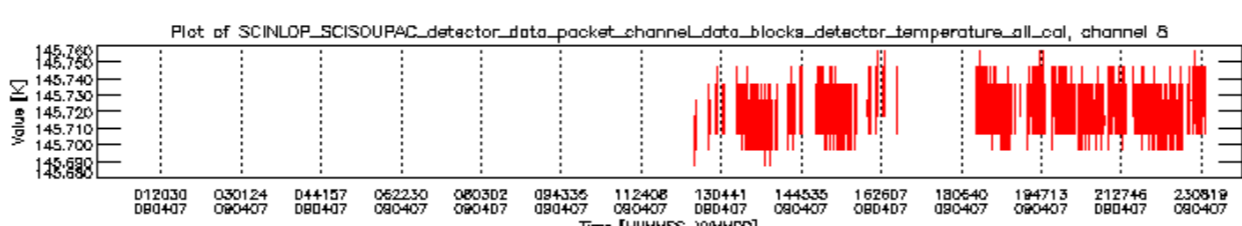
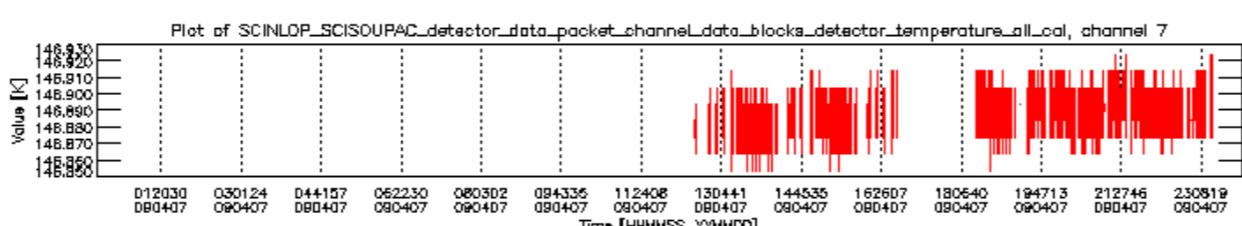
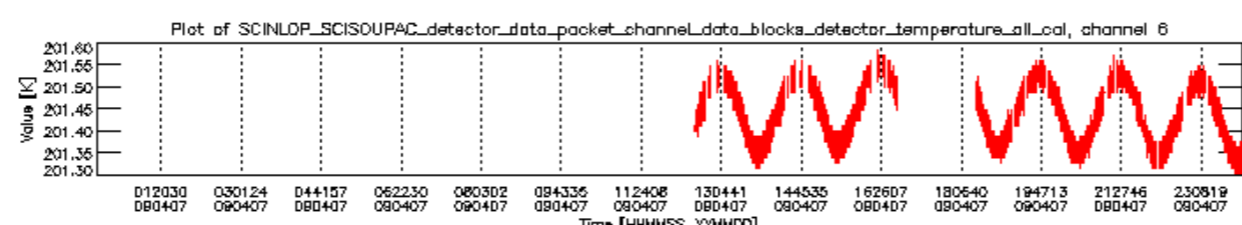
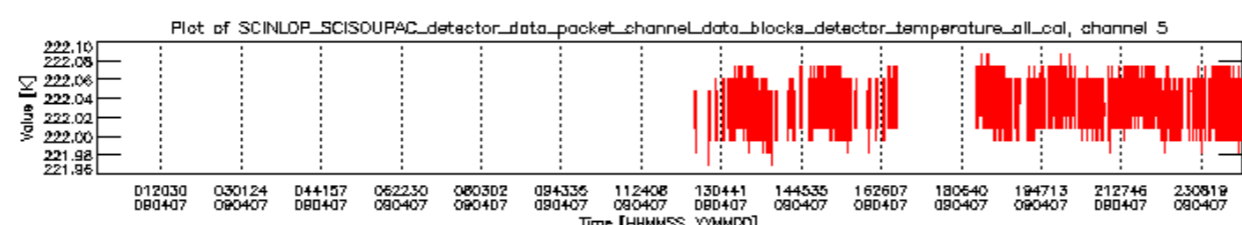
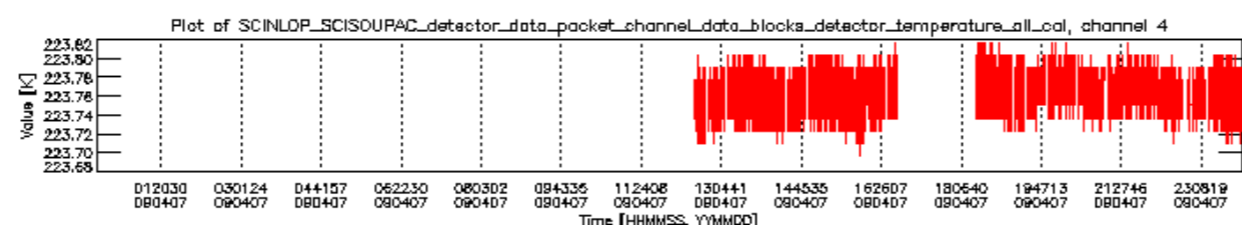
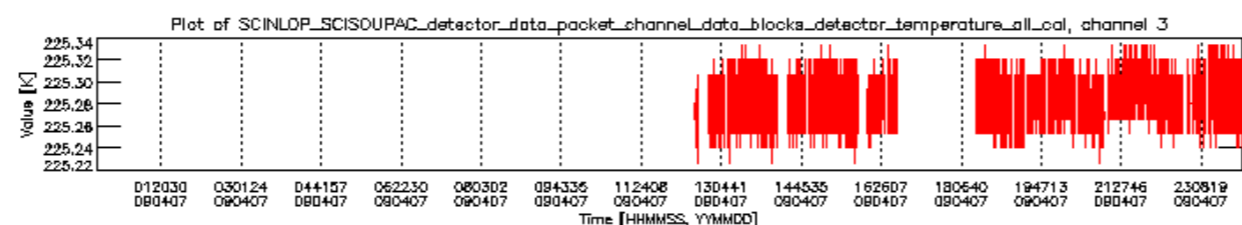
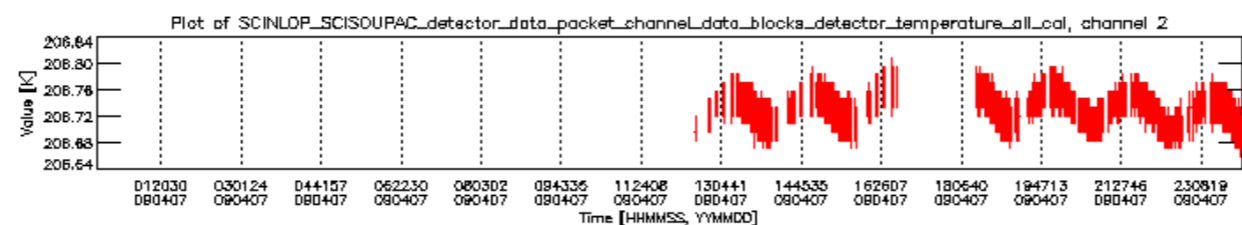
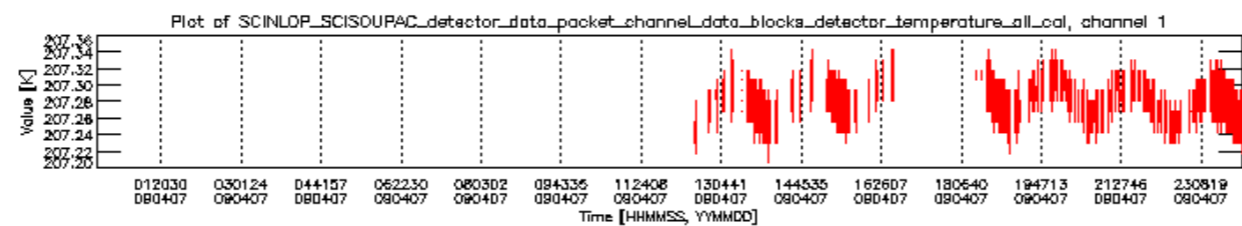
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090407_8.PNG

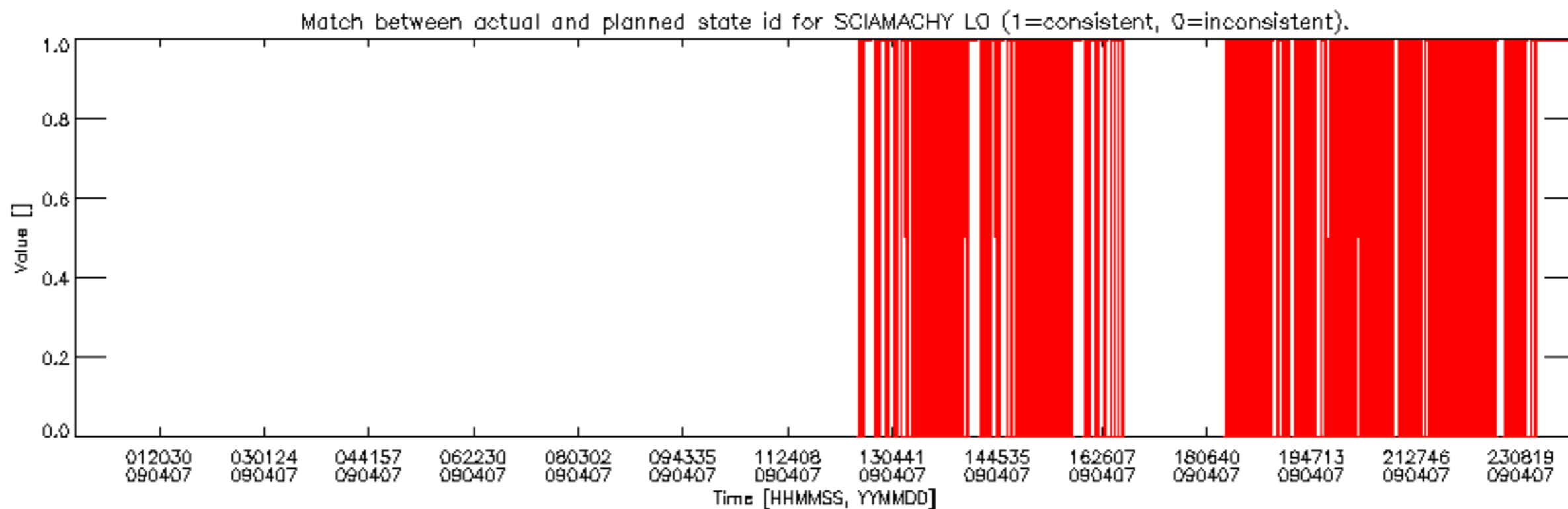
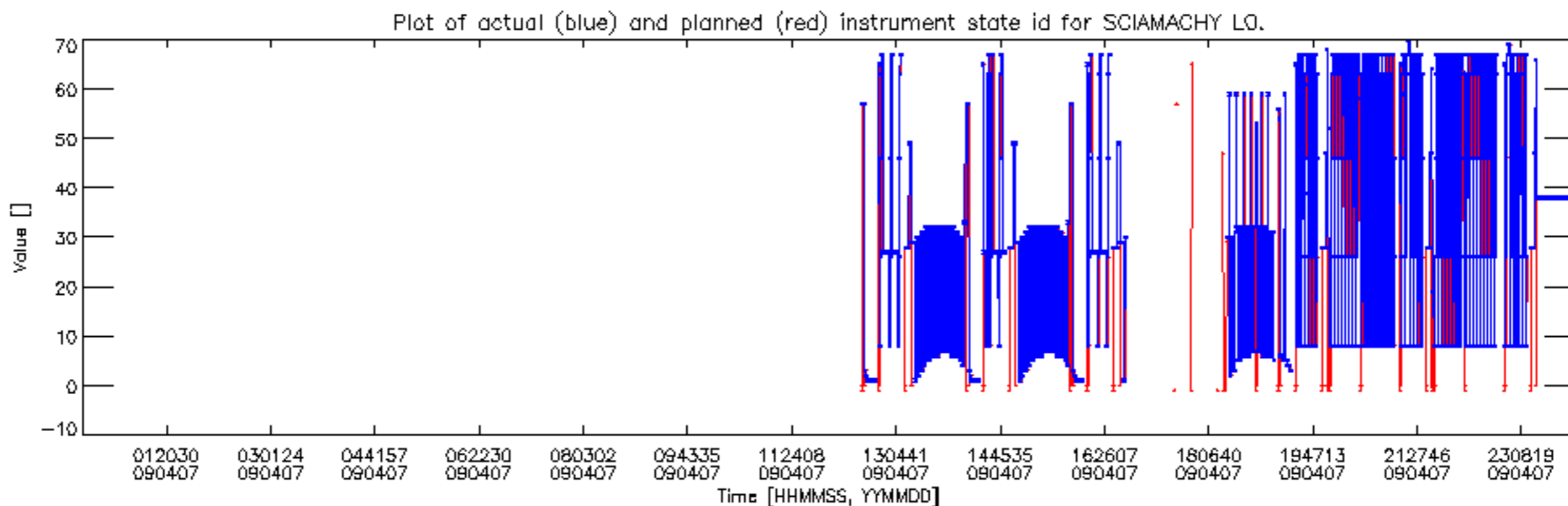












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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