

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	07SEP2008 04:56:57
Data source version	KSPT_L0/4303-N
Processing scope for products	03SEP2008 00:00:00 to 04SEP2008 00:00:00
Start time of first product within scope	02SEP2008 23:16:29
Stop time of last product within scope	04SEP2008 00:26:15
Total number of level 0 products	18
Number of level 0 products with errors	9

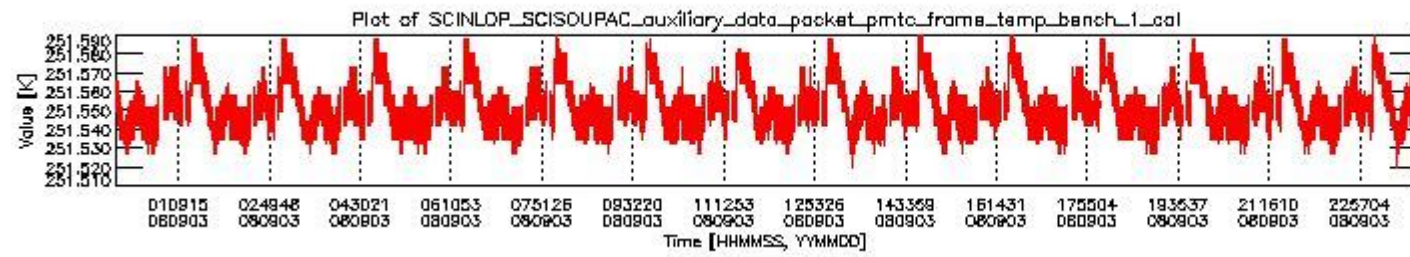
0.1.2 Summary per product

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

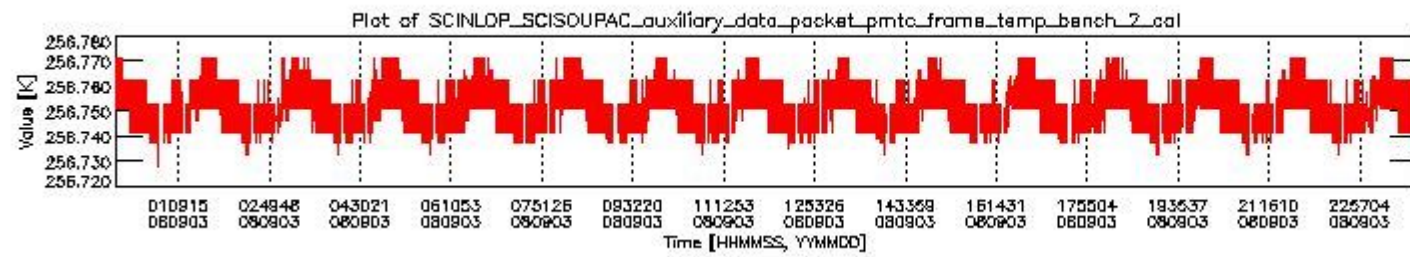
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080902_231629_000060762071_00416_34037_7435.N1	02SEP2008 23:16:29	03SEP2008 00:57:45	0	0	0	0	0
1	SCI_NL__OPNPDE20080903_005701_000045772071_00417_34038_7436.N1	03SEP2008 00:57:01	03SEP2008 02:13:18	0	0	0	0	0
2	SCI_NL__OPNPDE20080903_021318_000057752071_00418_34039_7437.N1	03SEP2008 02:13:18	03SEP2008 03:49:32	0	0	0	0	0
3	SCI_NL__OPNPDE20080903_034932_000061052071_00419_34040_7438.N1	03SEP2008 03:49:32	03SEP2008 05:31:18	0	0	0	0	0
4	SCI_NL__OPNPDE20080903_053118_000060372071_00420_34041_7439.N1	03SEP2008 05:31:18	03SEP2008 07:11:54	0	0	0	0	0
5	SCI_NL__OPNPDK20080903_071045_000041142071_00421_34042_9223.N1	03SEP2008 07:10:45	03SEP2008 08:19:20	0	0	0	0	0
6	SCI_NL__OPNPDK20080903_081824_000026382071_00422_34043_9224.N1	03SEP2008 08:18:24	03SEP2008 09:02:22	1	1	0	0	0
7	SCI_NL__OPNPDK20080903_090222_000035102071_00422_34043_9225.N1	03SEP2008 09:02:22	03SEP2008 10:00:52	1	1	0	0	0
8	SCI_NL__OPNPDK20080903_100052_000059252071_00423_34044_9226.N1	03SEP2008 10:00:52	03SEP2008 11:39:36	1	1	0	0	0
9	SCI_NL__OPNPDK20080903_113828_000060362071_00424_34045_9227.N1	03SEP2008 11:38:28	03SEP2008 13:19:04	1	1	0	0	0
10	SCI_NL__OPNPDK20080903_131904_000059122071_00425_34046_9228.N1	03SEP2008 13:19:04	03SEP2008 14:57:36	1	1	0	0	0
11	SCI_NL__OPNPDK20080903_145640_000058432071_00426_34047_9229.N1	03SEP2008 14:56:40	03SEP2008 16:34:04	1	1	0	0	0
12	SCI_NL__OPNPDK20080903_163159_000060562071_00427_34048_9230.N1	03SEP2008 16:31:59	03SEP2008 18:12:55	1	1	0	0	1
13	SCI_NL__OPNPDK20080903_181104_000002362071_00428_34049_9231.N1	03SEP2008 18:11:04	03SEP2008 18:15:00	1	1	0	0	0
14	SCI_NL__OPNPDK20080903_181500_000058002071_00428_34049_9232.N1	03SEP2008 18:15:00	03SEP2008 19:51:40	1	1	0	0	0
15	SCI_NL__OPNPDE20080903_195004_000042022071_00429_34050_7440.N1	03SEP2008 19:50:04	03SEP2008 21:00:06	0	0	0	0	0
16	SCI_NL__OPNPDE20080903_205922_000063362071_00429_34050_7441.N1	03SEP2008 20:59:22	03SEP2008 22:44:59	0	0	0	0	0
17	SCI_NL__OPNPDE20080903_224425_000061092071_00430_34051_7442.N1	03SEP2008 22:44:25	04SEP2008 00:26:15	0	0	0	0	0

0.2 Product Quality Indicators

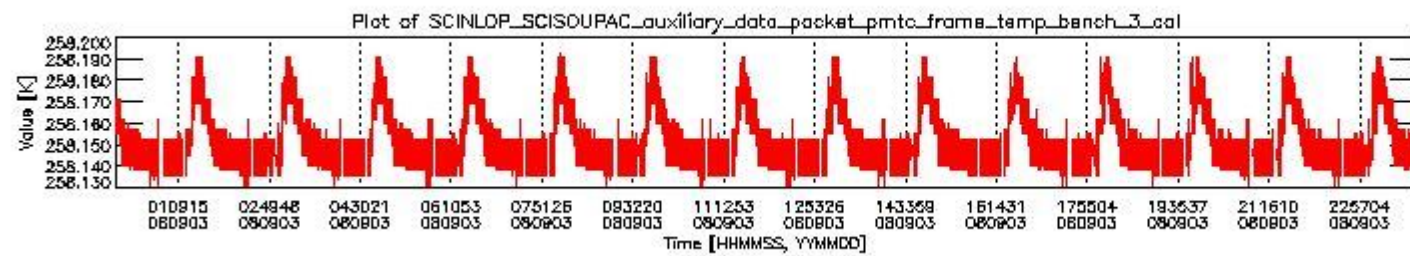
This section shows information about product quality, currently temperatures.



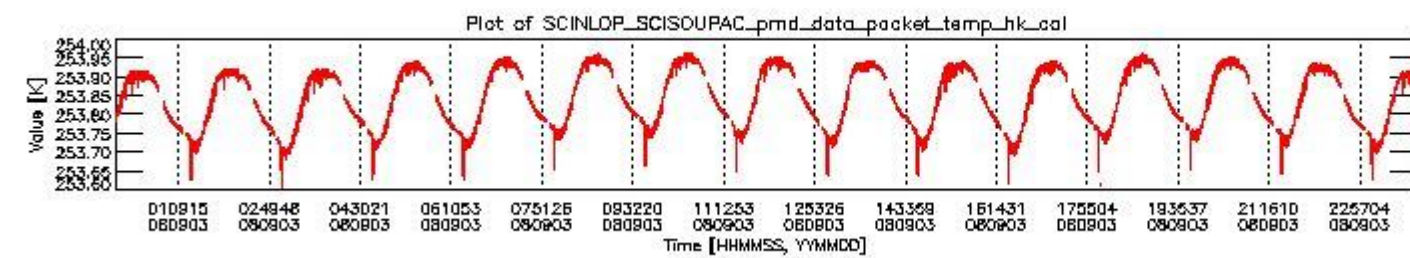
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080903_0.PNG



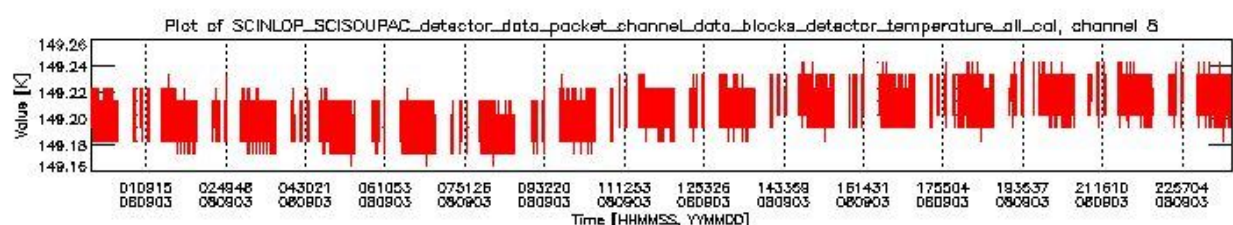
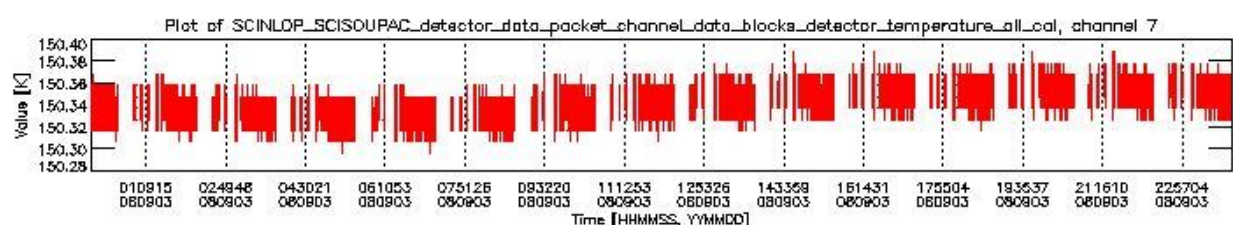
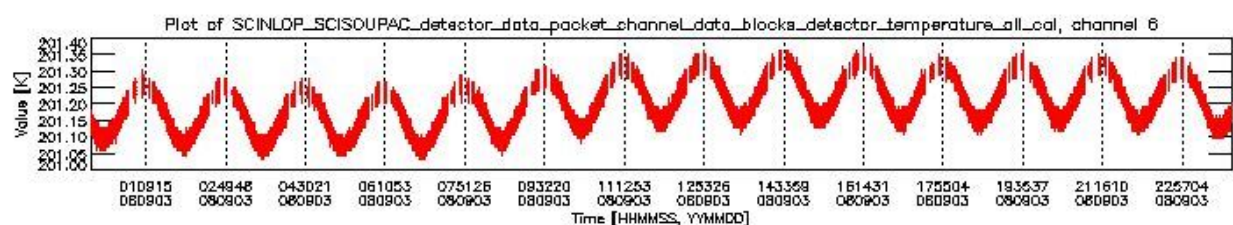
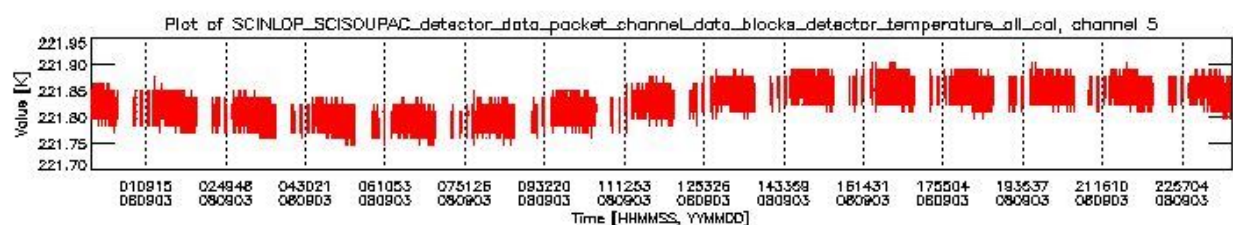
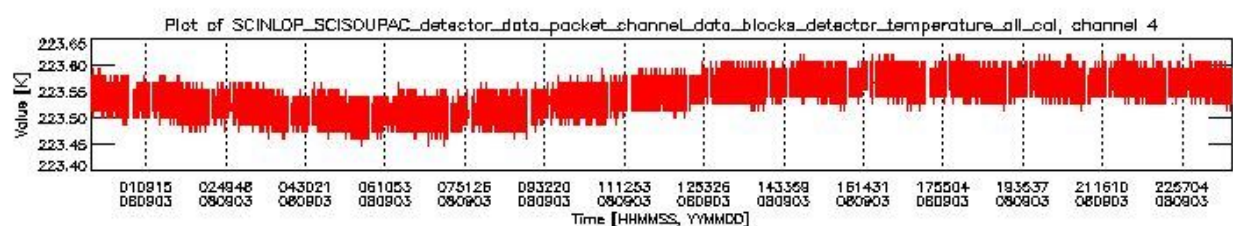
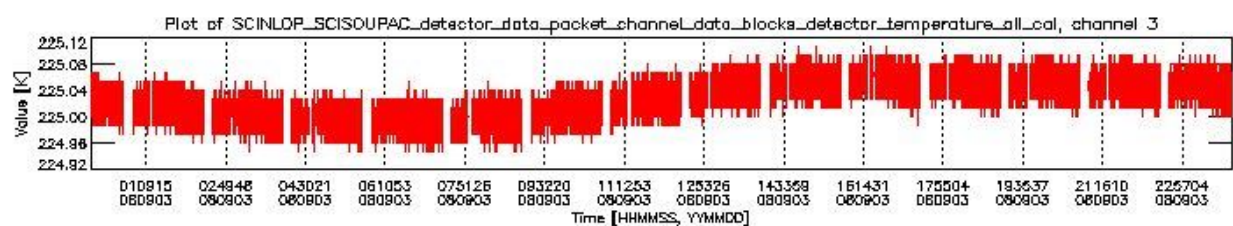
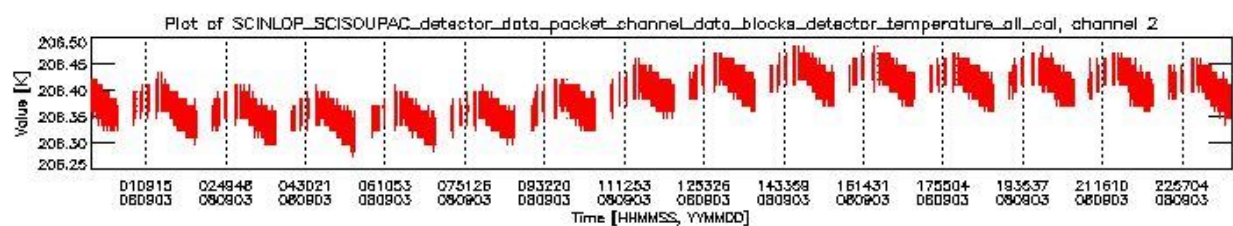
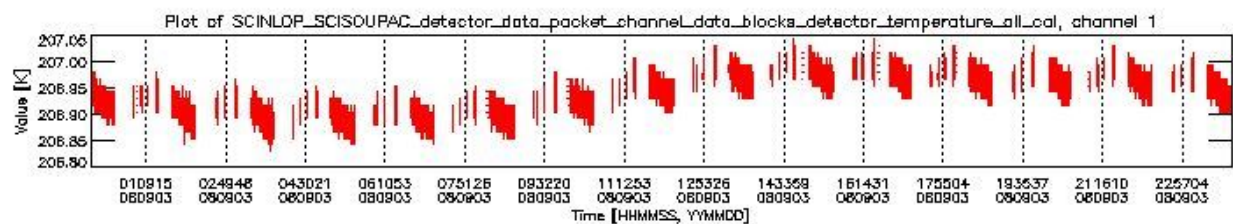
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080903_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080903_3.PNG

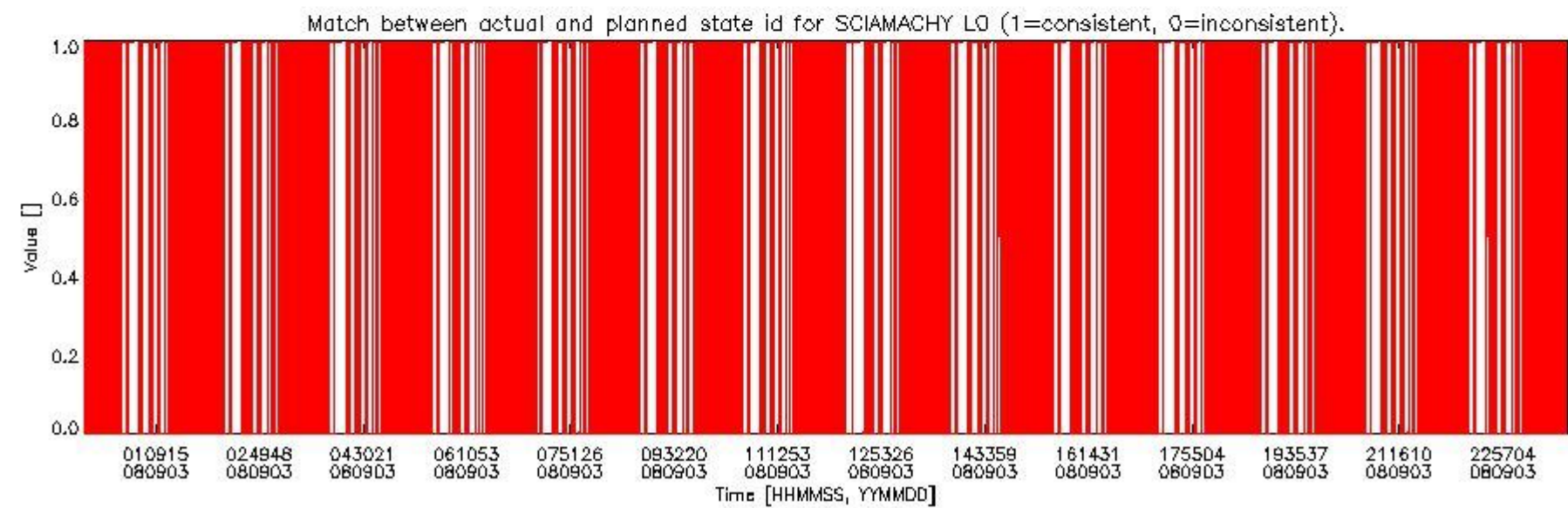
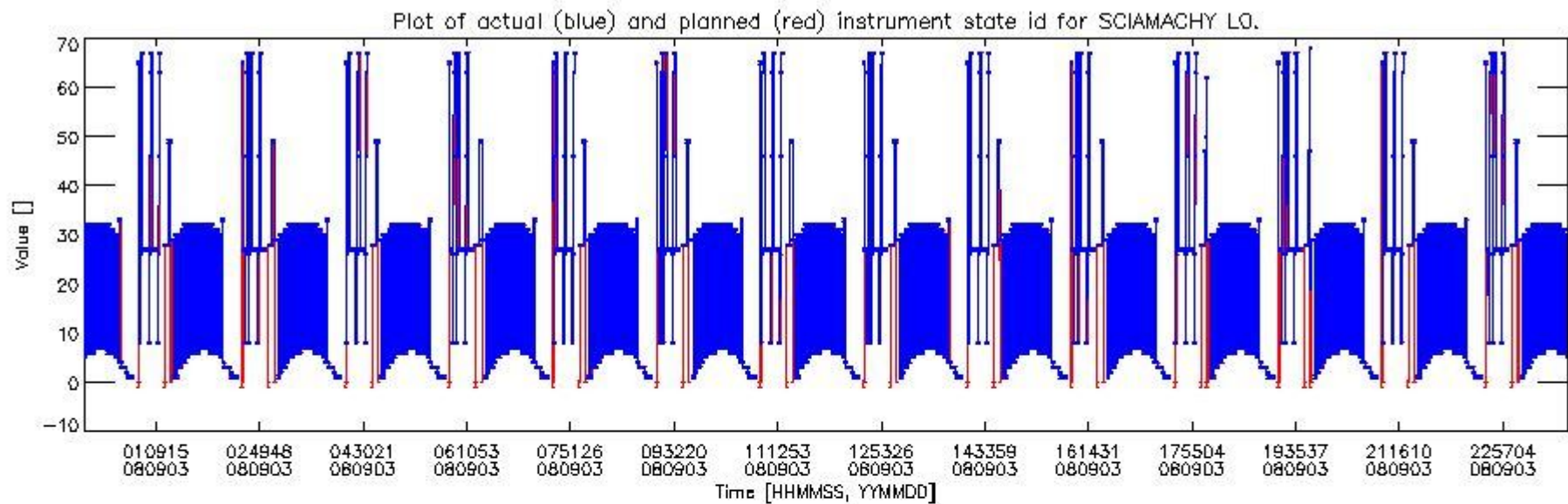


0.3 State monitoring

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: **50820**

#	Actual time	Actual value	Planned time	Planned value
0	03SEP2008 00:00:26.767668	32	03SEP2008 00:00:26.767668	5
1	03SEP2008 00:00:27.392650	32	03SEP2008 00:00:27.392650	5
2	03SEP2008 00:00:27.767663	32	03SEP2008 00:00:27.767663	5
3	03SEP2008 00:00:28.142676	32	03SEP2008 00:00:28.142676	5
4	03SEP2008 00:00:28.705175	32	03SEP2008 00:00:28.705175	5
5	03SEP2008 00:00:29.080148	32	03SEP2008 00:00:29.080148	5
6	03SEP2008 00:00:29.455161	32	03SEP2008 00:00:29.455161	5
7	03SEP2008 00:00:29.830174	32	03SEP2008 00:00:29.830174	5
8	03SEP2008 00:00:30.392674	32	03SEP2008 00:00:30.392674	5
9	03SEP2008 00:00:30.767646	32	03SEP2008 00:00:30.767646	5
10	03SEP2008 00:00:31.142659	32	03SEP2008 00:00:31.142659	5
11	03SEP2008 00:00:31.517673	32	03SEP2008 00:00:31.517673	5
12	03SEP2008 00:00:31.767641	32	03SEP2008 00:00:31.767641	5
13	03SEP2008 00:00:32.080172	32	03SEP2008 00:00:32.080172	5
14	03SEP2008 00:00:32.455145	32	03SEP2008 00:00:32.455145	5
15	03SEP2008 00:00:32.830158	32	03SEP2008 00:00:32.830158	5
16	03SEP2008 00:00:33.205171	32	03SEP2008 00:00:33.205171	5
17	03SEP2008 00:00:33.767670	32	03SEP2008 00:00:33.767670	5
18	03SEP2008 00:00:34.142643	32	03SEP2008 00:00:34.142643	5
19	03SEP2008 00:00:34.517656	32	03SEP2008 00:00:34.517656	5
...

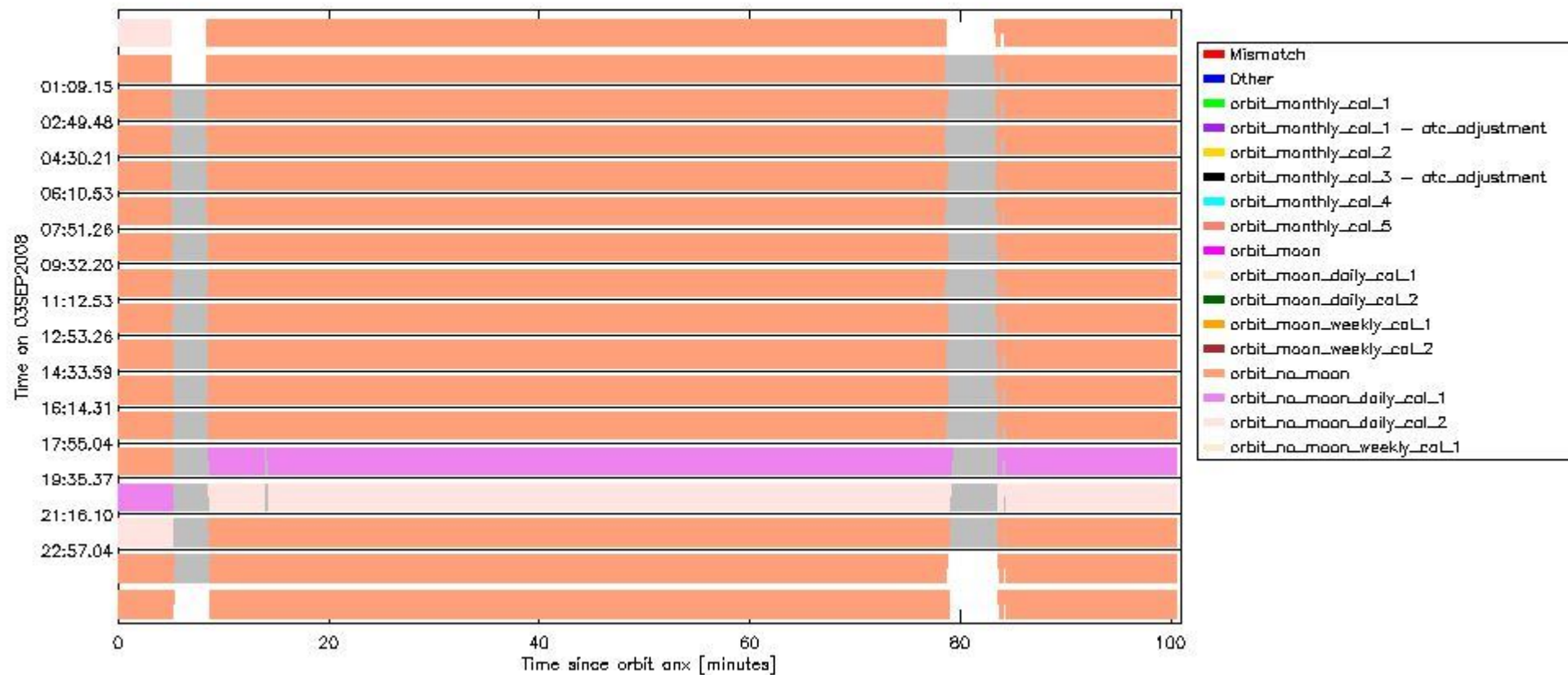


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080903_5.PNG

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 Q3SEP2008.
 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_20080903_6.PNG

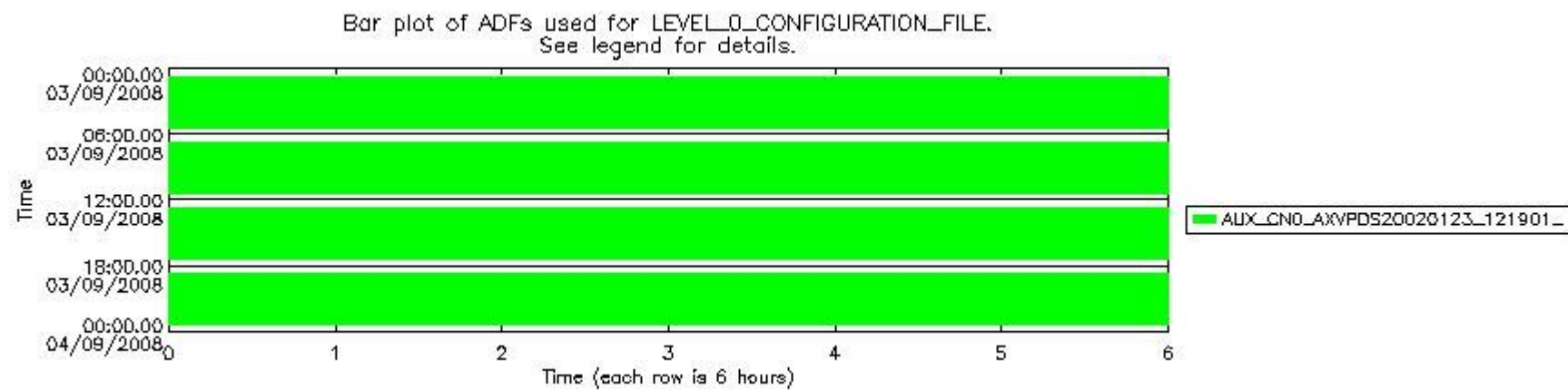
0.4 ADF monitoring

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

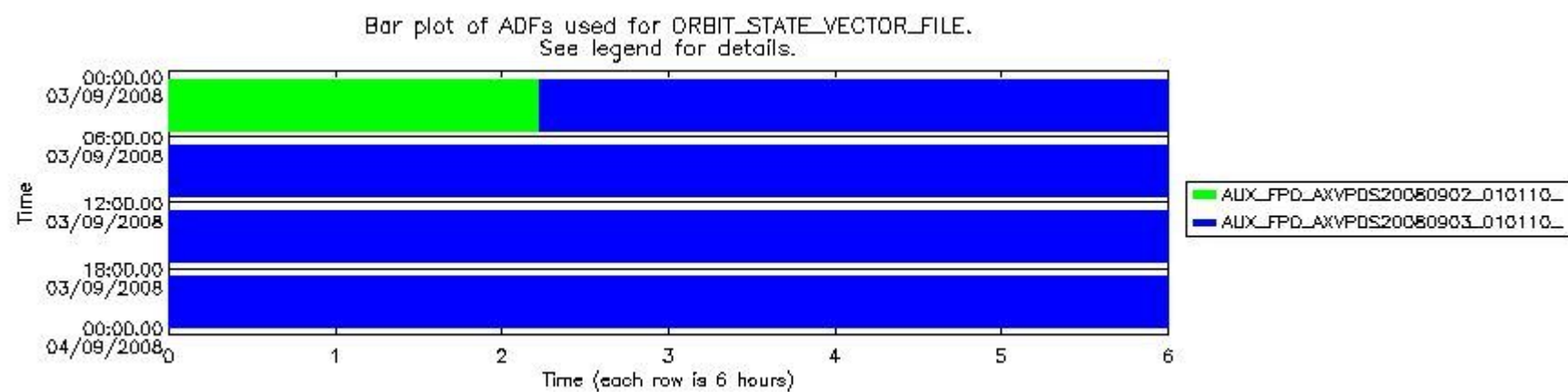
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

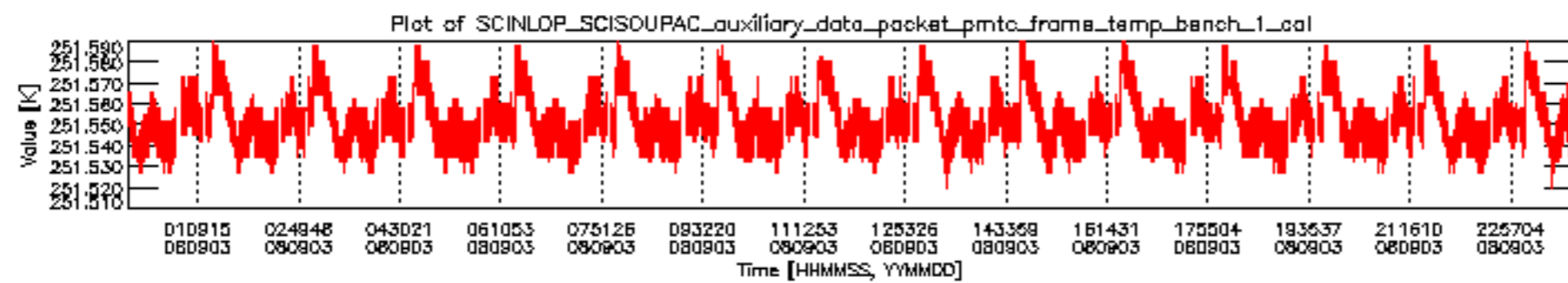
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080902_010110_20080901_185824_20080911_202436
2	AUX_FPO_AXVPDS20080903_010110_20080902_182647_20080912_213335

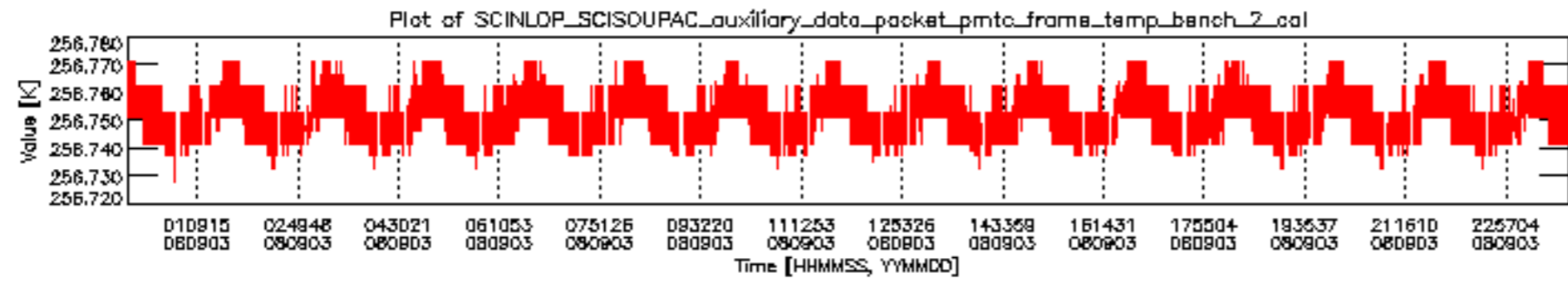


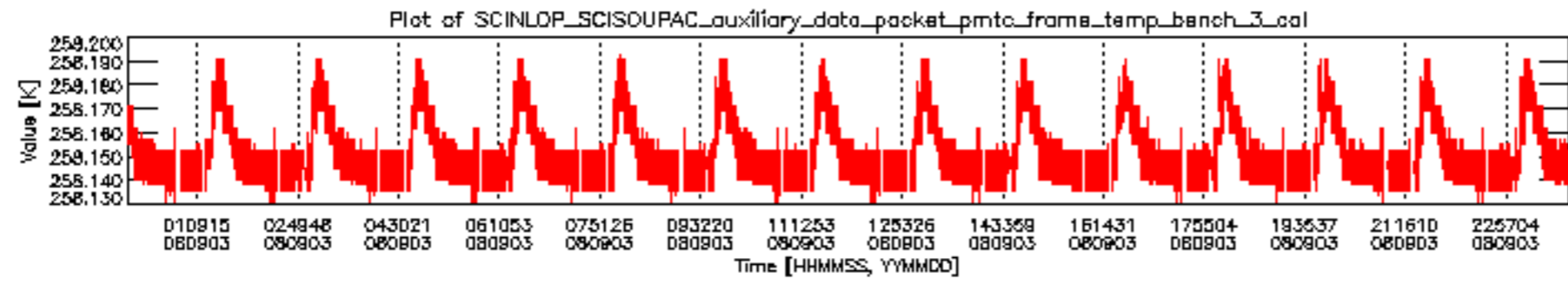
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080903_7.PNG

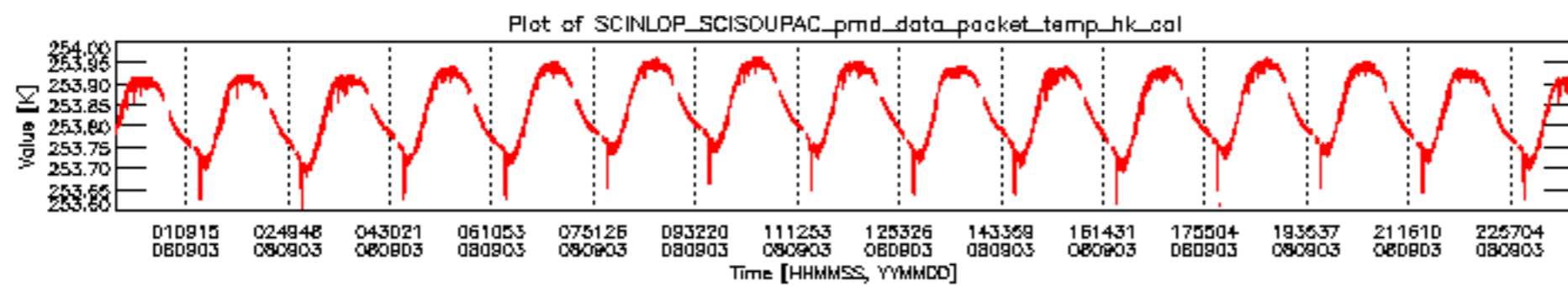


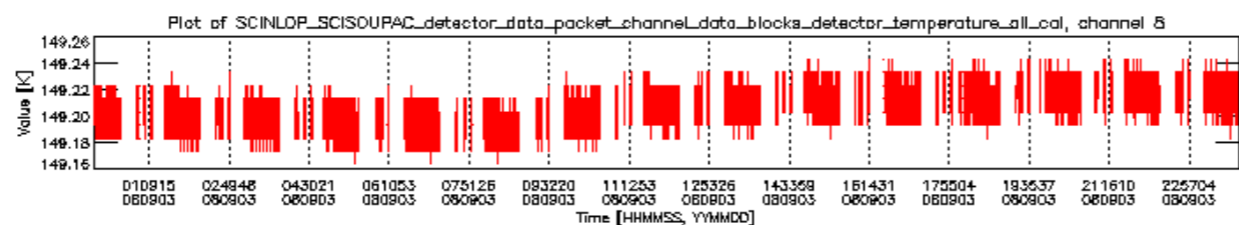
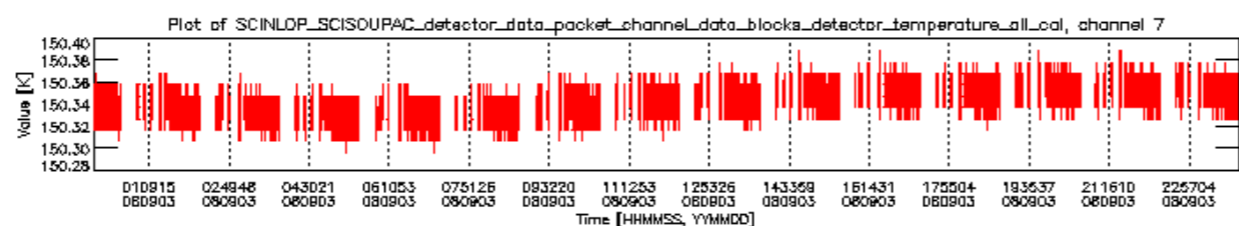
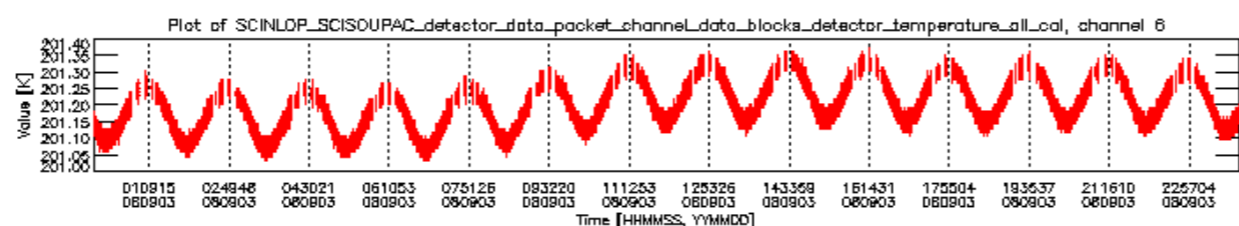
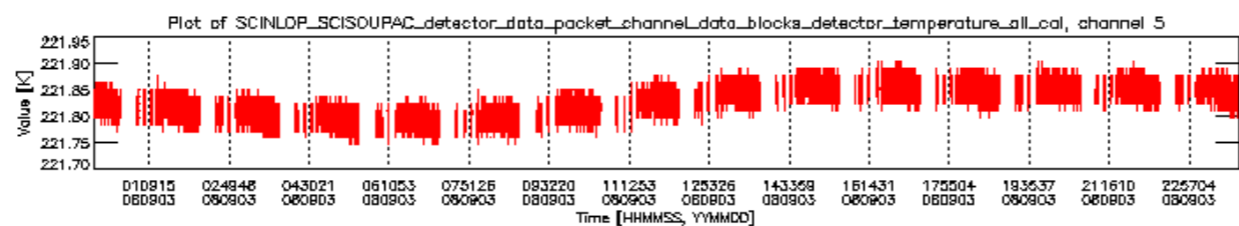
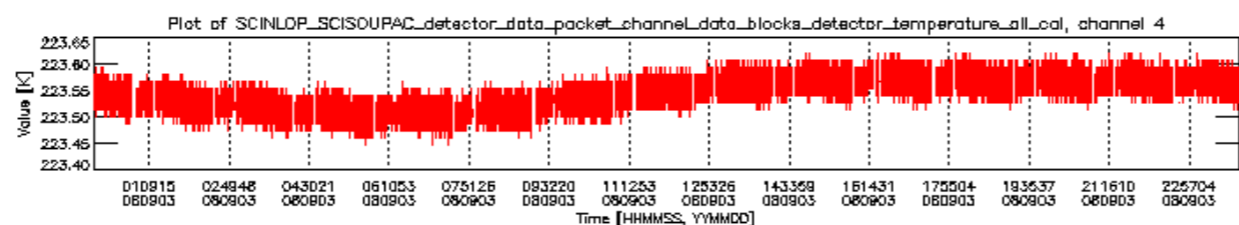
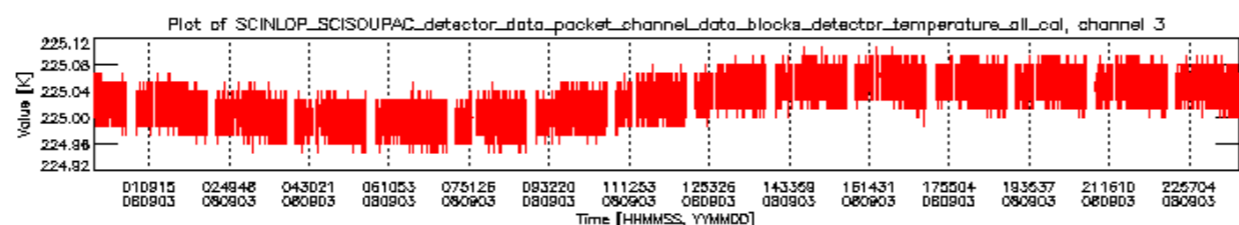
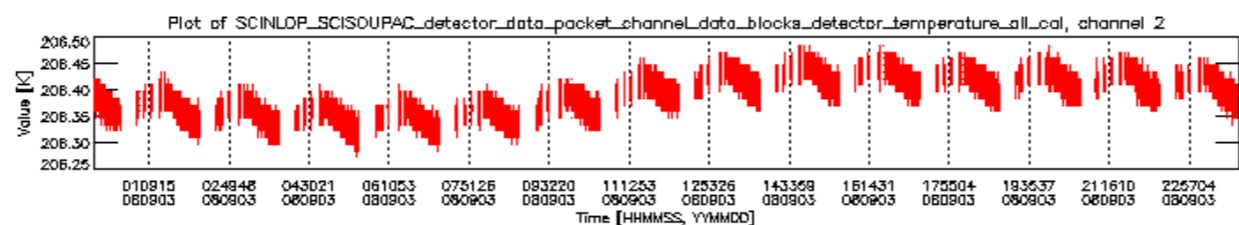
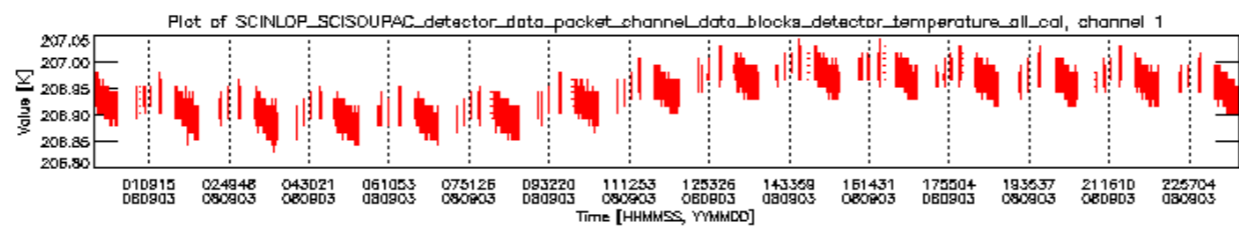
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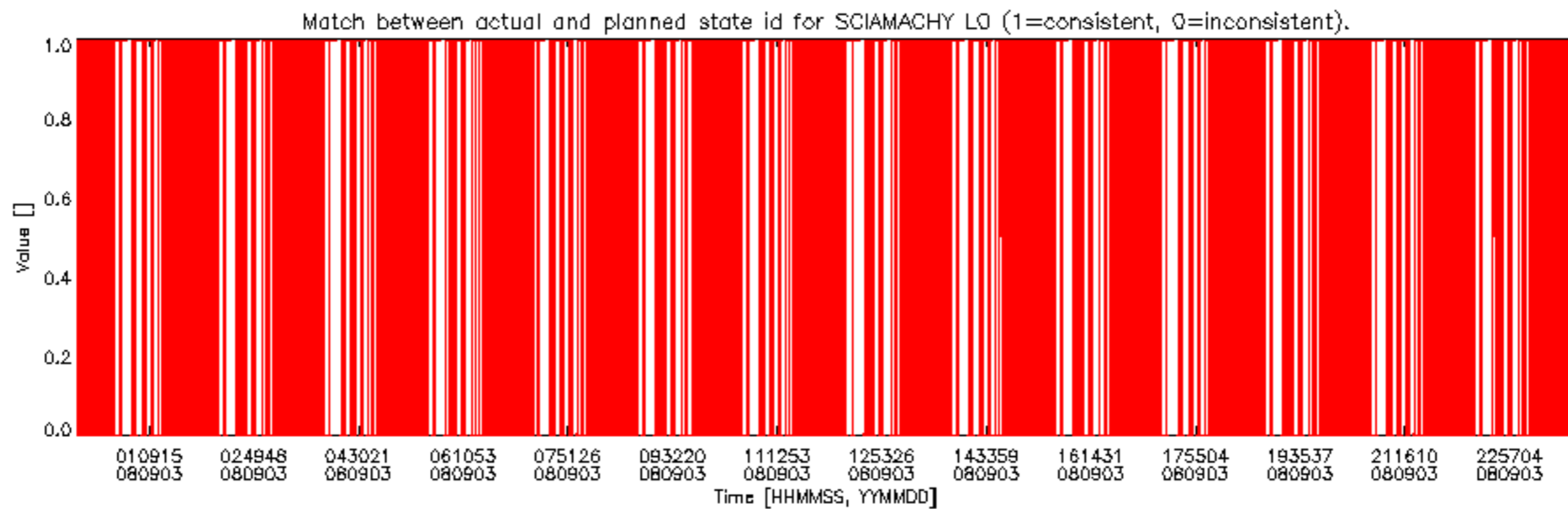
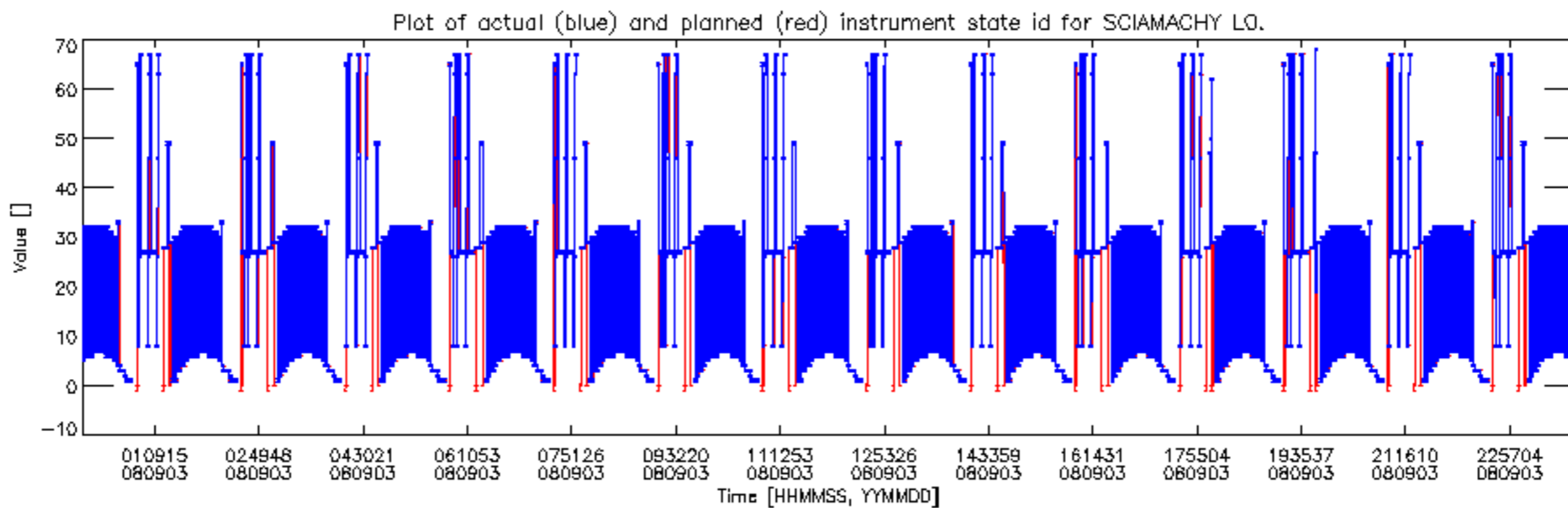












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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