

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	01FEB2008 10:35:44
Data source version	KSPT_L0/4303-N
Processing scope for products	31JAN2008 00:00:00 to 01FEB2008 00:00:00
Start time of first product within scope	30JAN2008 23:08:49
Stop time of last product within scope	31JAN2008 16:22:39
Total number of level 0 products	11
Number of level 0 products with errors	0

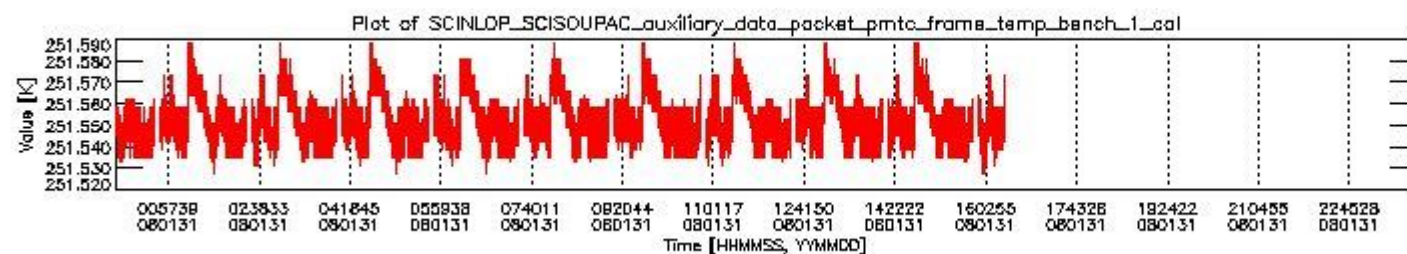
0.1.2 Summary per product

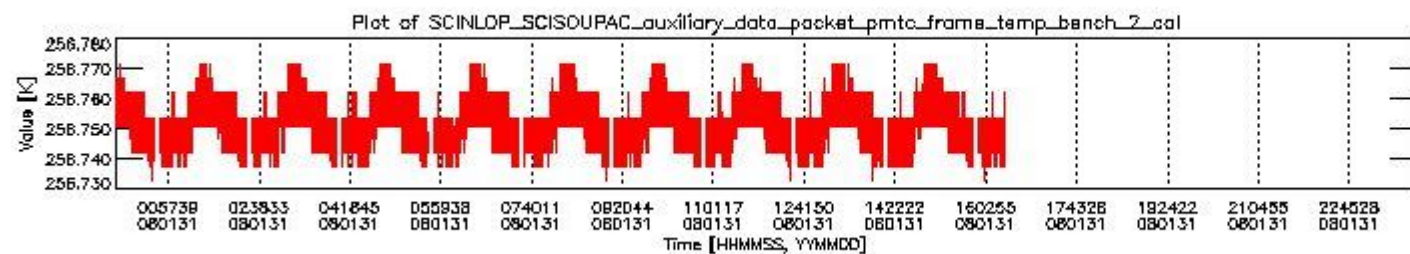
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080130_230849_000055972065_00330_30945_6043.N1	30JAN2008 23:08:49	31JAN2008 00:42:06	0	0	0	0	0
1	SCI_NL__OPNPDE20080131_004924_000055842065_00331_30946_6044.N1	31JAN2008 00:49:24	31JAN2008 02:22:29	0	0	0	0	0
2	SCI_NL__OPNPDE20080131_022120_000045602065_00332_30947_6045.N1	31JAN2008 02:21:20	31JAN2008 03:37:20	0	0	0	0	0
3	SCI_NL__OPNPDE20080131_033720_000061472065_00333_30948_6046.N1	31JAN2008 03:37:20	31JAN2008 05:19:47	0	0	0	0	0
4	SCI_NL__OPNPDE20080131_051852_000061042065_00334_30949_6047.N1	31JAN2008 05:18:52	31JAN2008 07:00:36	0	0	0	0	0
5	SCI_NL__OPNPDK20080131_070036_000039762065_00335_30950_7267.N1	31JAN2008 07:00:36	31JAN2008 08:06:52	0	0	0	0	0
6	SCI_NL__OPNPDK20080131_080543_000062282065_00336_30951_7268.N1	31JAN2008 08:05:43	31JAN2008 09:49:32	0	0	0	0	0
7	SCI_NL__OPNPDK20080131_094932_000058422065_00337_30952_7269.N1	31JAN2008 09:49:32	31JAN2008 11:26:54	0	0	0	0	0
8	SCI_NL__OPNPDK20080131_112558_000061602065_00338_30953_7270.N1	31JAN2008 11:25:58	31JAN2008 13:08:38	0	0	0	0	0
9	SCI_NL__OPNPDK20080131_130742_000058552065_00339_30954_7271.N1	31JAN2008 13:07:42	31JAN2008 14:45:18	0	0	0	0	0
10	SCI_NL__OPNPDK20080131_144204_000060362065_00340_30955_7272.N1	31JAN2008 14:42:04	31JAN2008 16:22:39	0	0	0	0	0

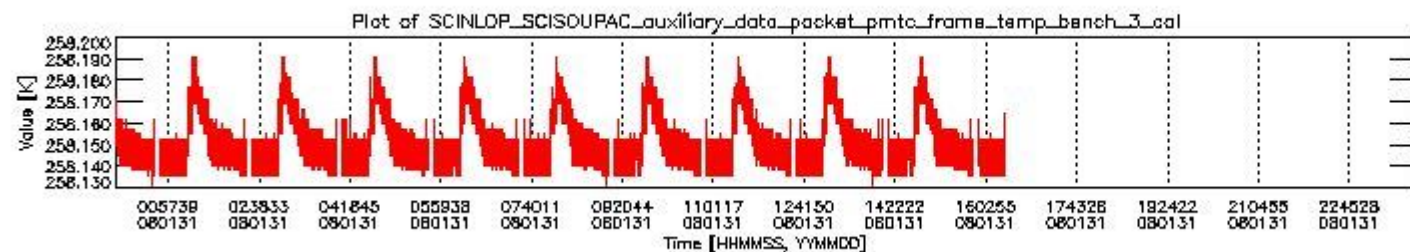
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

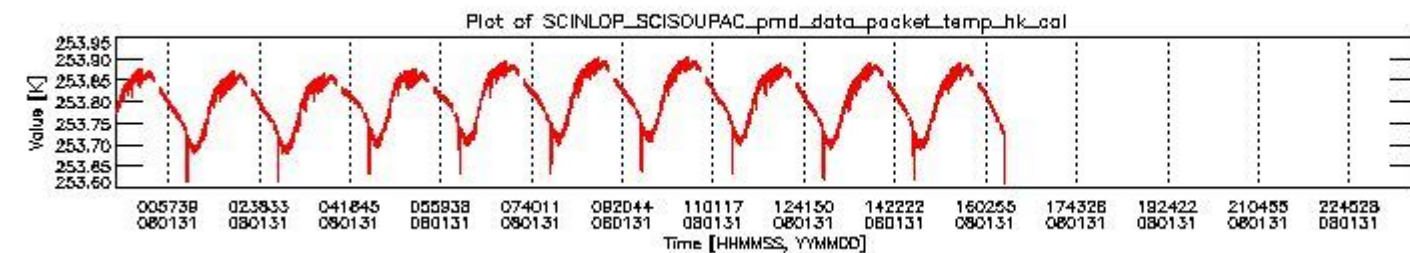




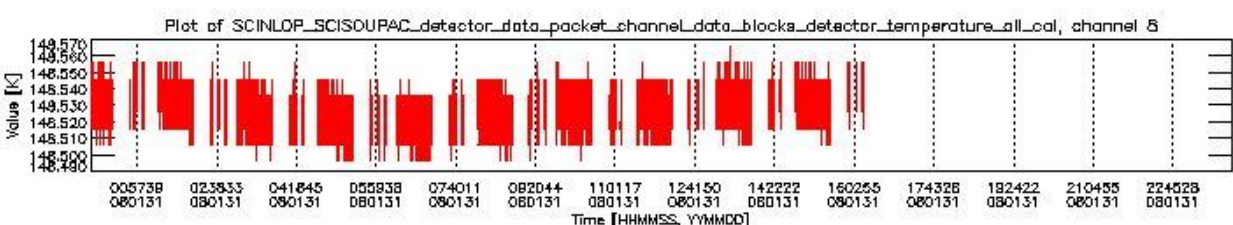
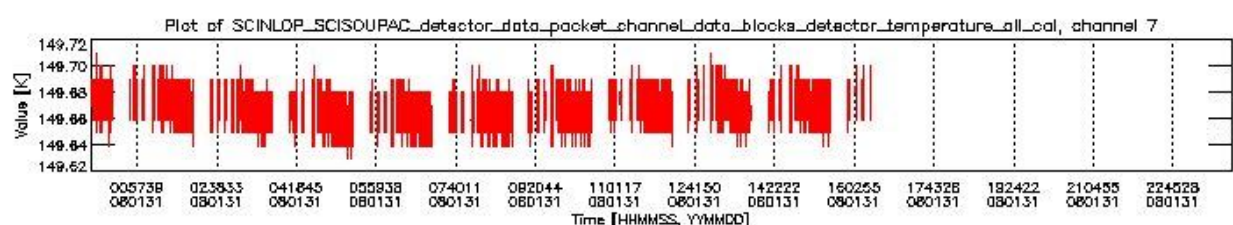
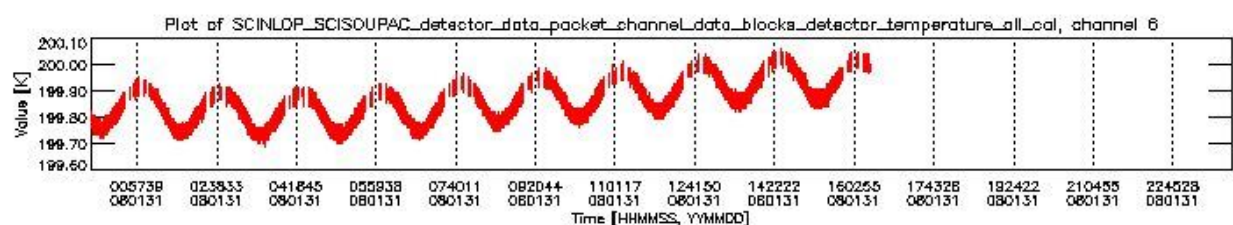
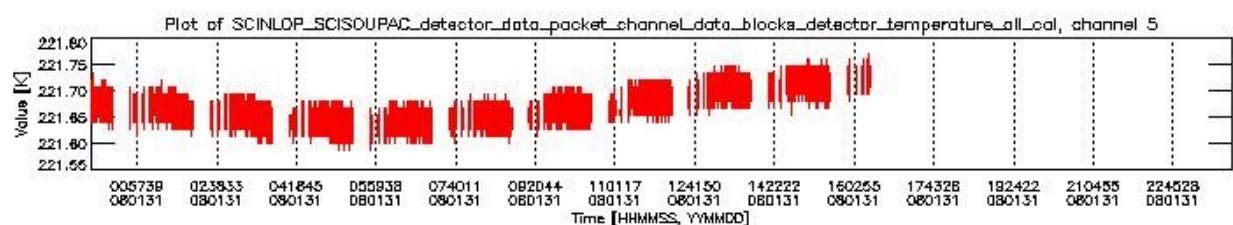
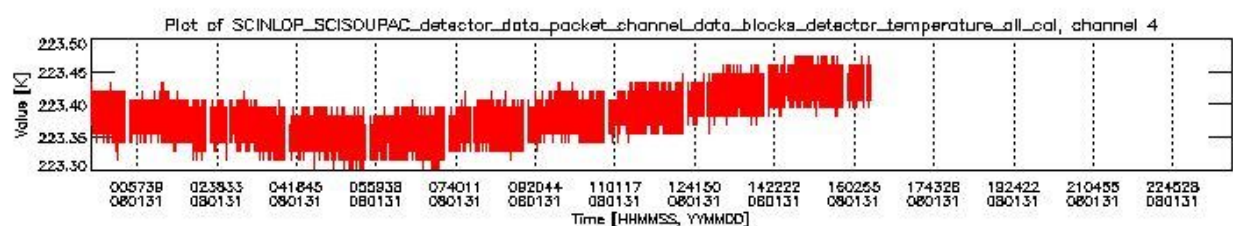
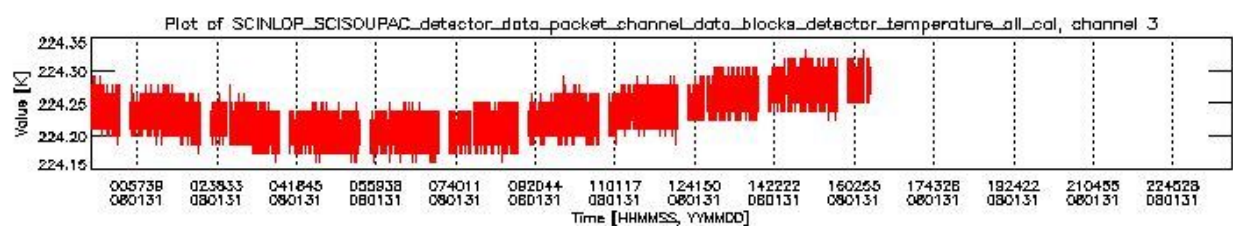
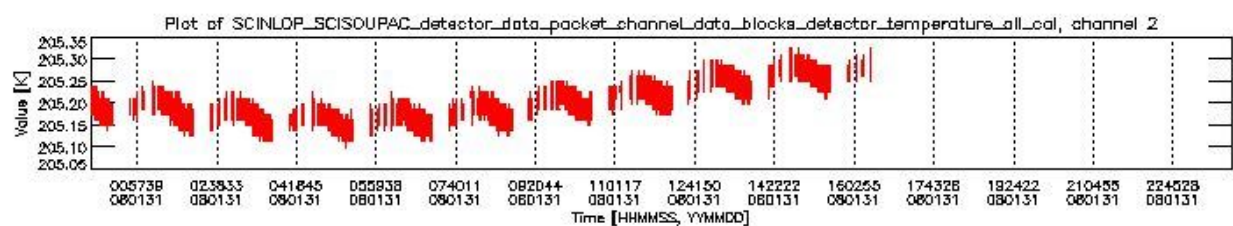
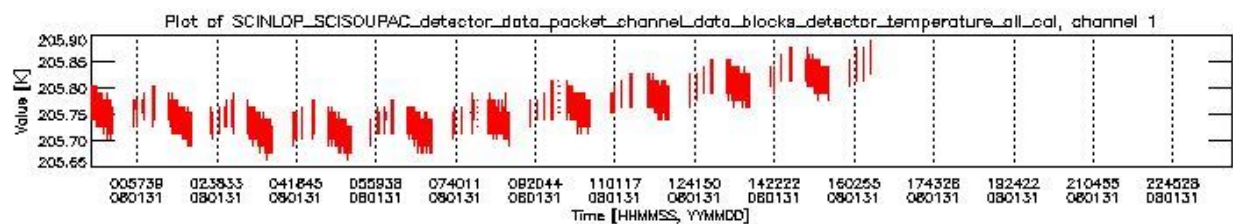
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080131_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080131_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080131_3.PNG

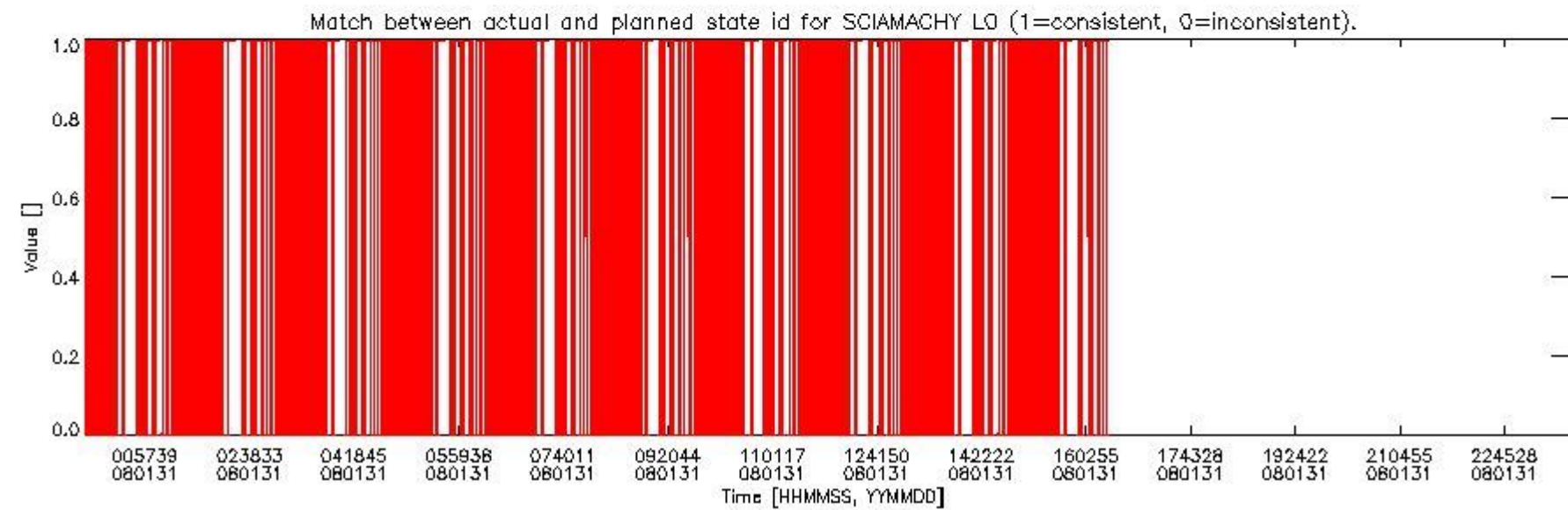
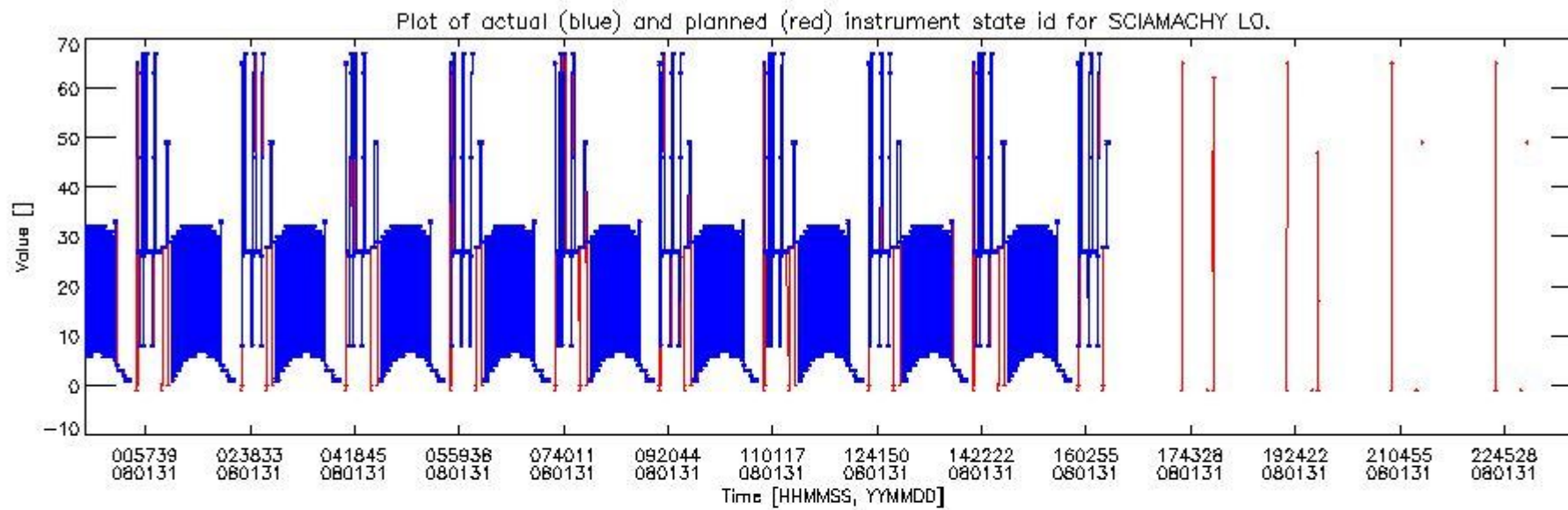


0.3 State monitoring

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: **24596**

#	Actual time	Actual value	Planned time	Planned value
0	31JAN2008 00:00:30.142061	6	31JAN2008 00:00:30.142061	32
1	31JAN2008 00:00:30.517074	6	31JAN2008 00:00:30.517074	32
2	31JAN2008 00:00:30.767083	6	31JAN2008 00:00:30.767083	32
3	31JAN2008 00:00:31.017052	6	31JAN2008 00:00:31.017052	32
4	31JAN2008 00:00:31.267060	6	31JAN2008 00:00:31.267060	32
5	31JAN2008 00:00:31.517069	6	31JAN2008 00:00:31.517069	32
6	31JAN2008 00:00:31.767078	6	31JAN2008 00:00:31.767078	32
7	31JAN2008 00:00:32.017046	6	31JAN2008 00:00:32.017046	32
8	31JAN2008 00:00:32.267055	6	31JAN2008 00:00:32.267055	32
9	31JAN2008 00:00:32.517064	6	31JAN2008 00:00:32.517064	32
10	31JAN2008 00:00:32.767072	6	31JAN2008 00:00:32.767072	32
11	31JAN2008 00:00:33.017081	6	31JAN2008 00:00:33.017081	32
12	31JAN2008 00:00:33.267049	6	31JAN2008 00:00:33.267049	32
13	31JAN2008 00:00:33.517058	6	31JAN2008 00:00:33.517058	32
14	31JAN2008 00:00:33.767067	6	31JAN2008 00:00:33.767067	32
15	31JAN2008 00:00:34.017076	6	31JAN2008 00:00:34.017076	32
16	31JAN2008 00:00:34.267084	6	31JAN2008 00:00:34.267084	32
17	31JAN2008 00:00:34.517053	6	31JAN2008 00:00:34.517053	32
18	31JAN2008 00:00:34.767061	6	31JAN2008 00:00:34.767061	32
19	31JAN2008 00:00:35.017070	6	31JAN2008 00:00:35.017070	32

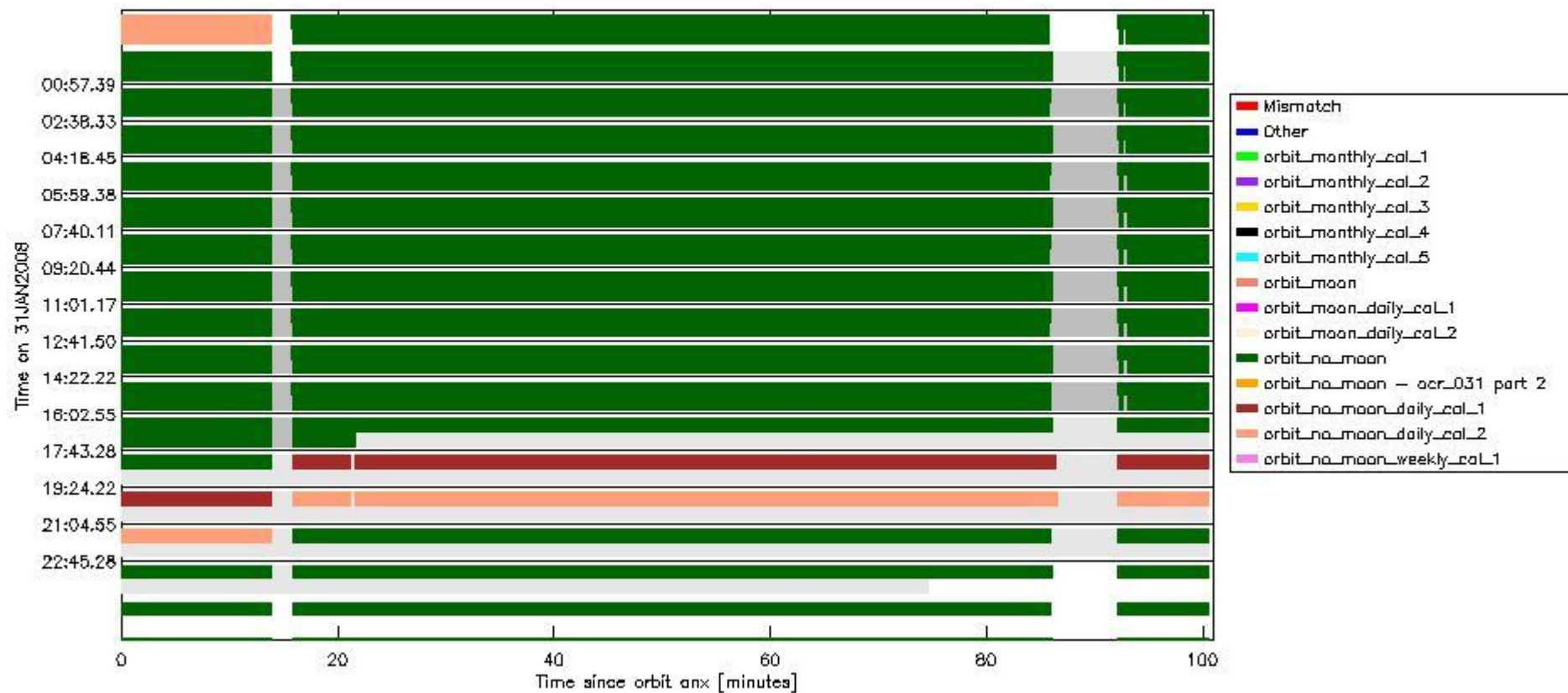


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080131_5.PNG

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 31JAN2008.
 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_20080131_6.PNG

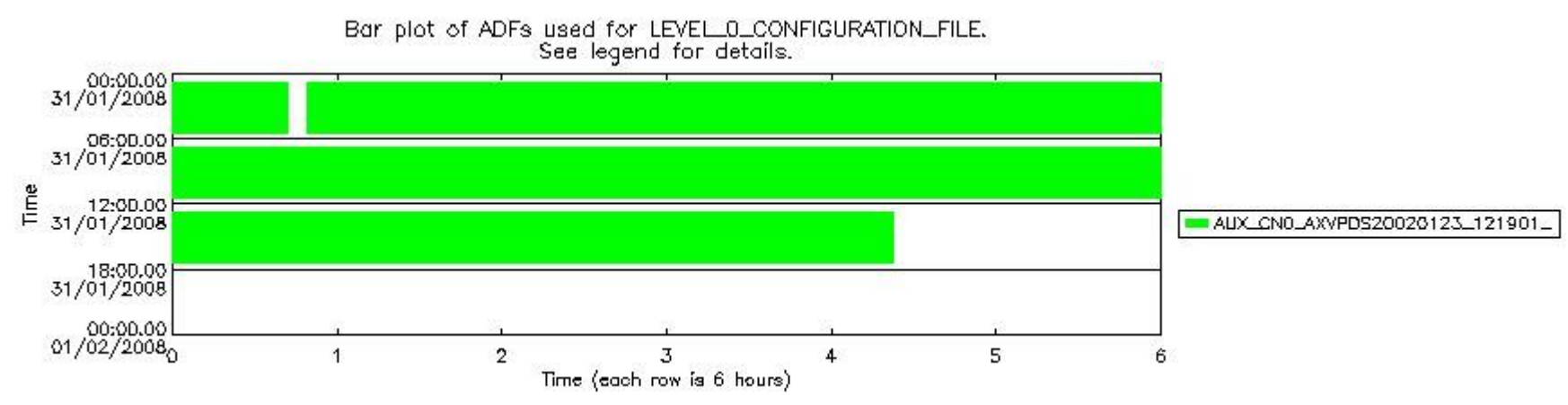
0.4 ADF monitoring

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

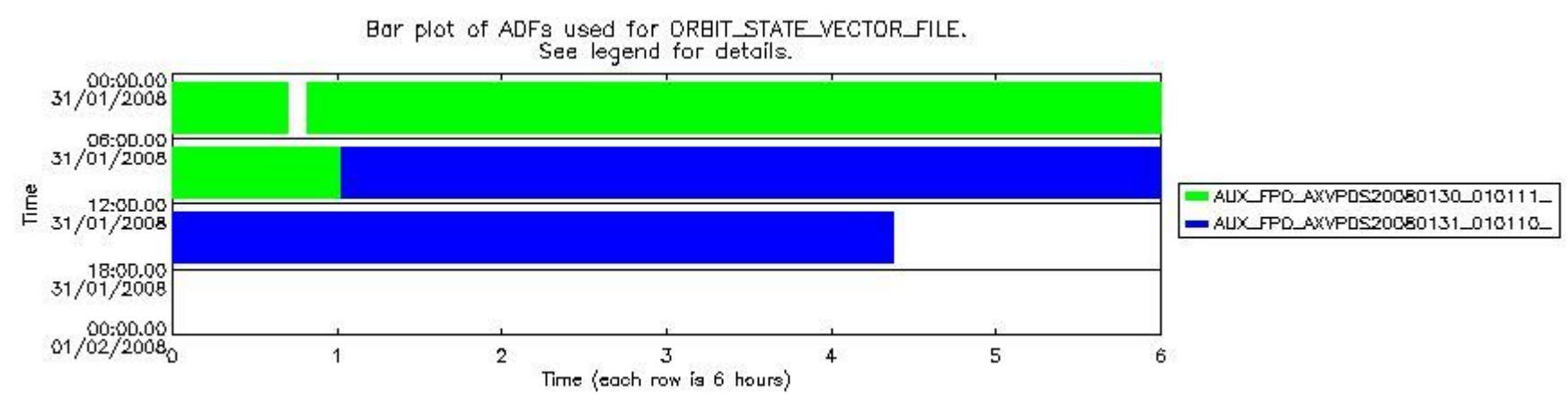
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

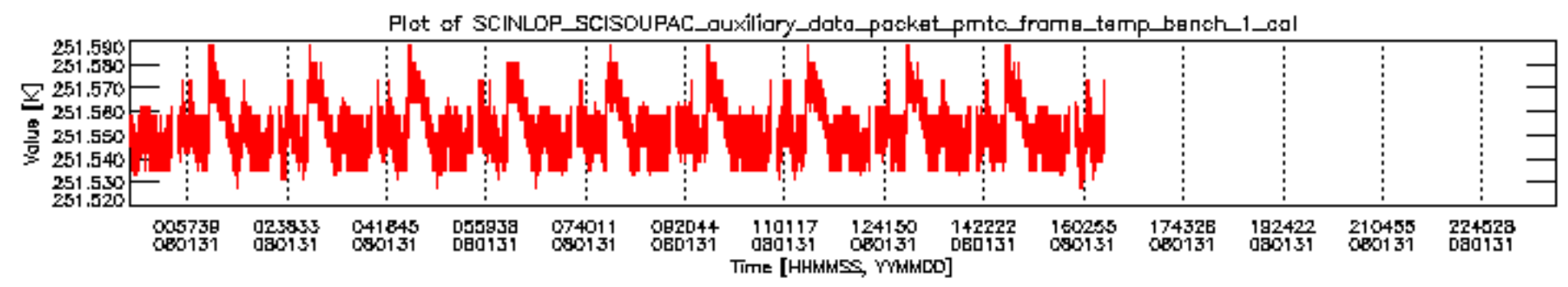
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080130_010111_20080129_184655_20080208_201308
2	AUX_FPO_AXVPDS20080131_010110_20080130_195554_20080209_212207

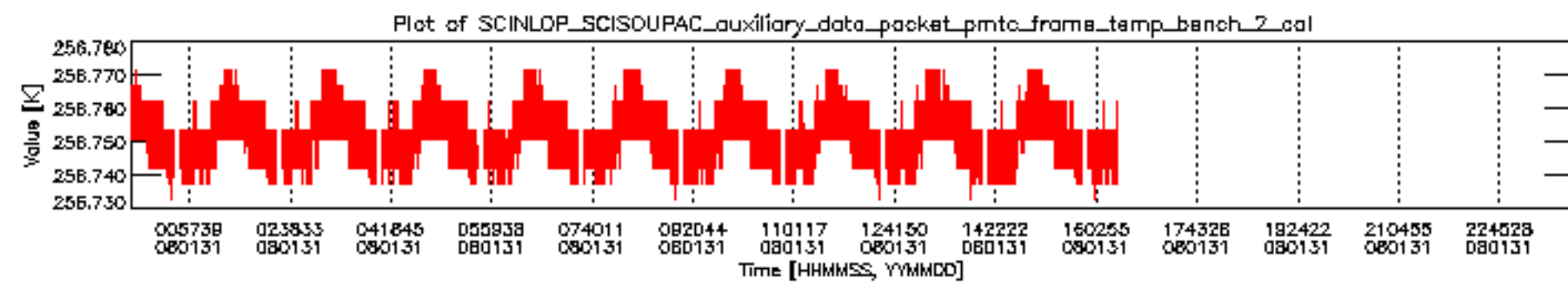


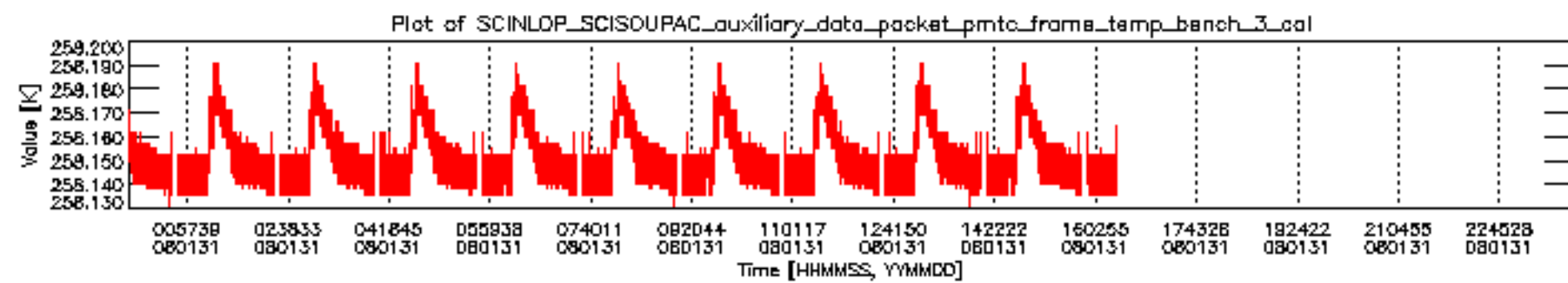
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080131_7.PNG

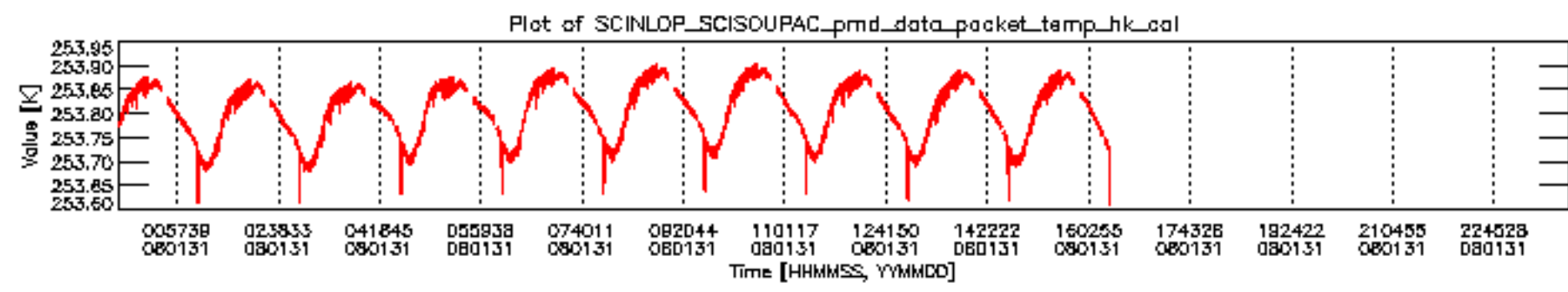


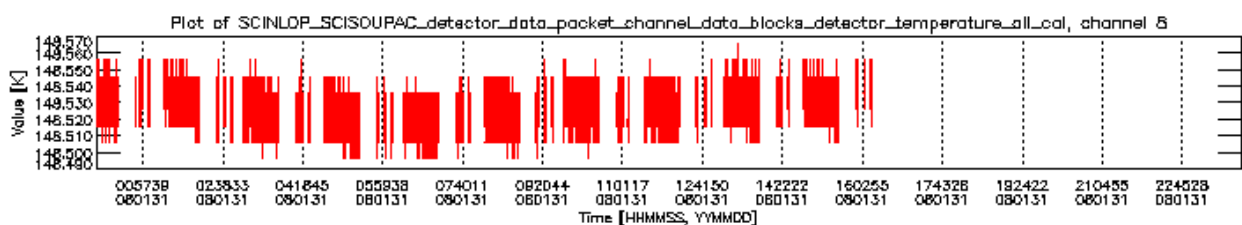
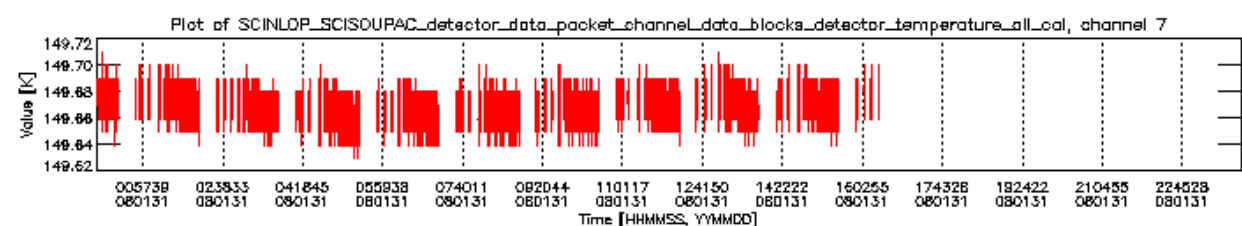
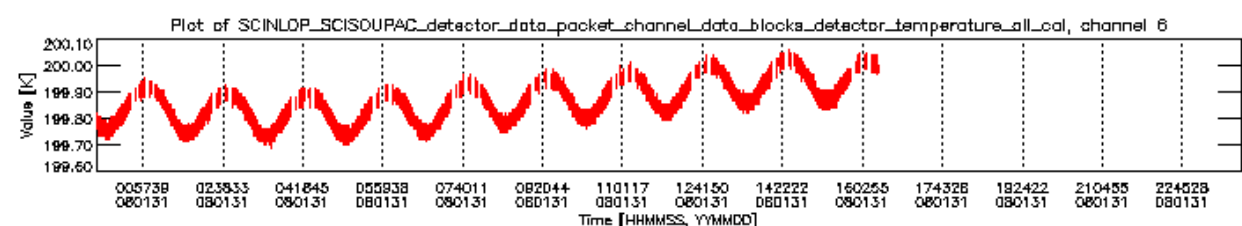
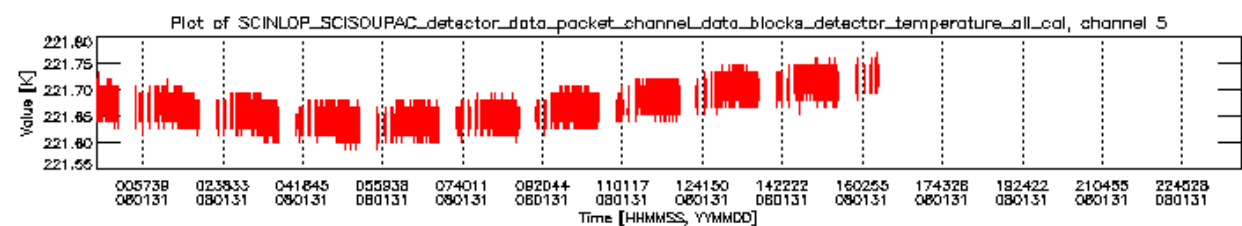
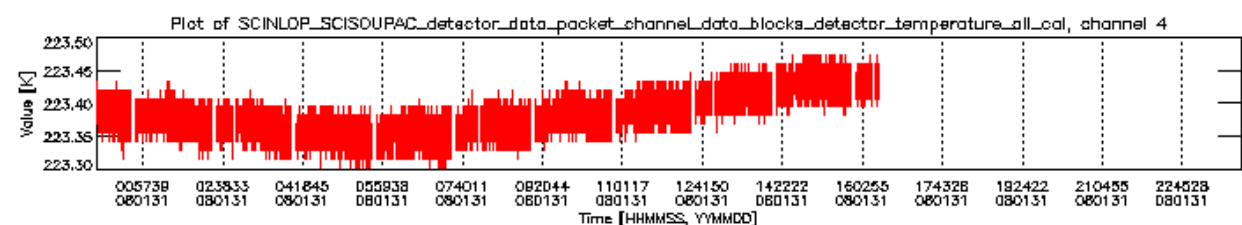
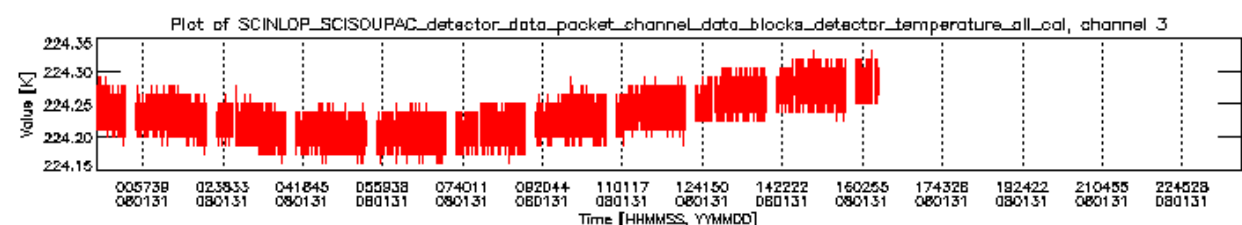
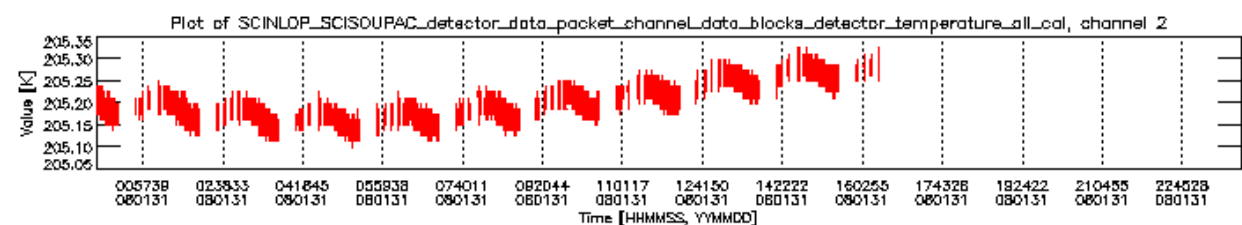
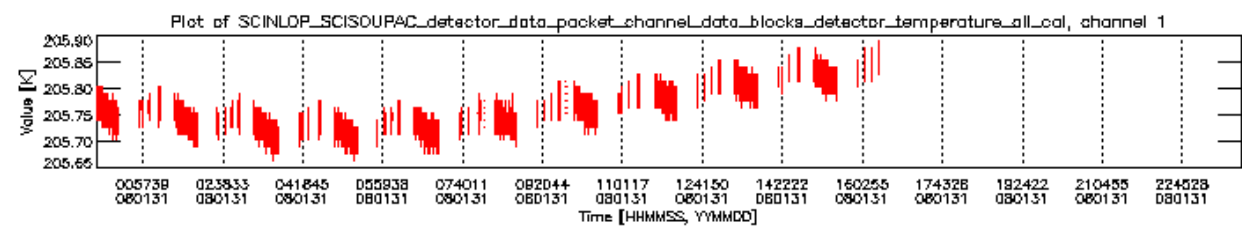
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080131_8.PNG

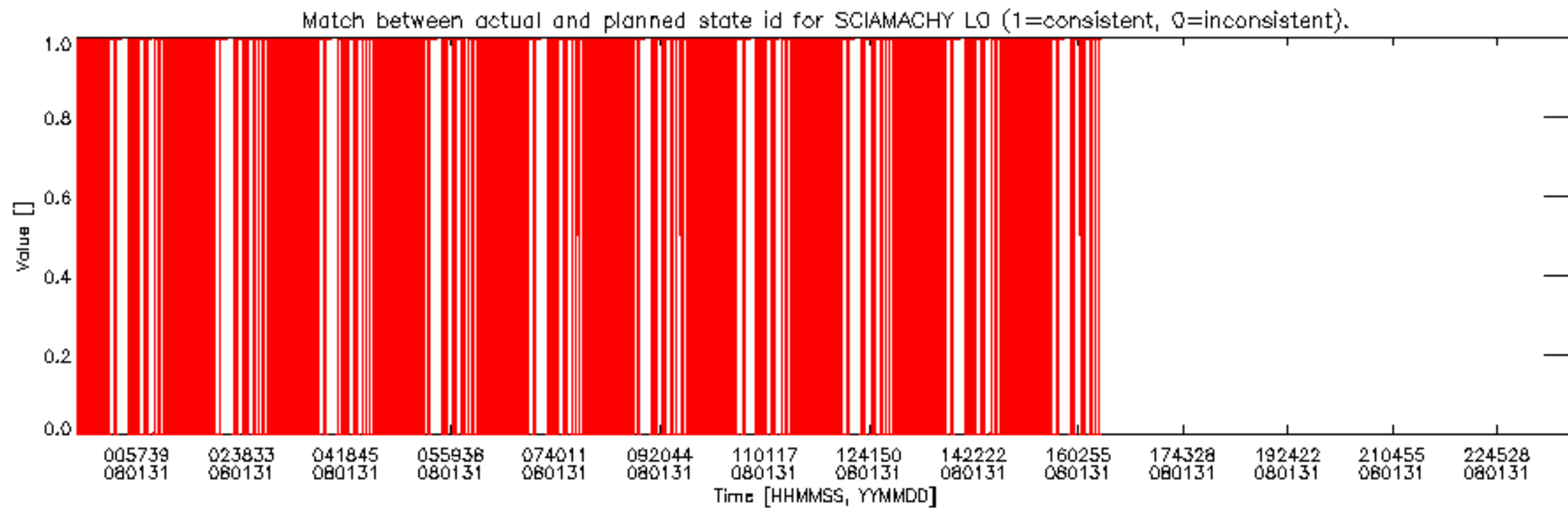
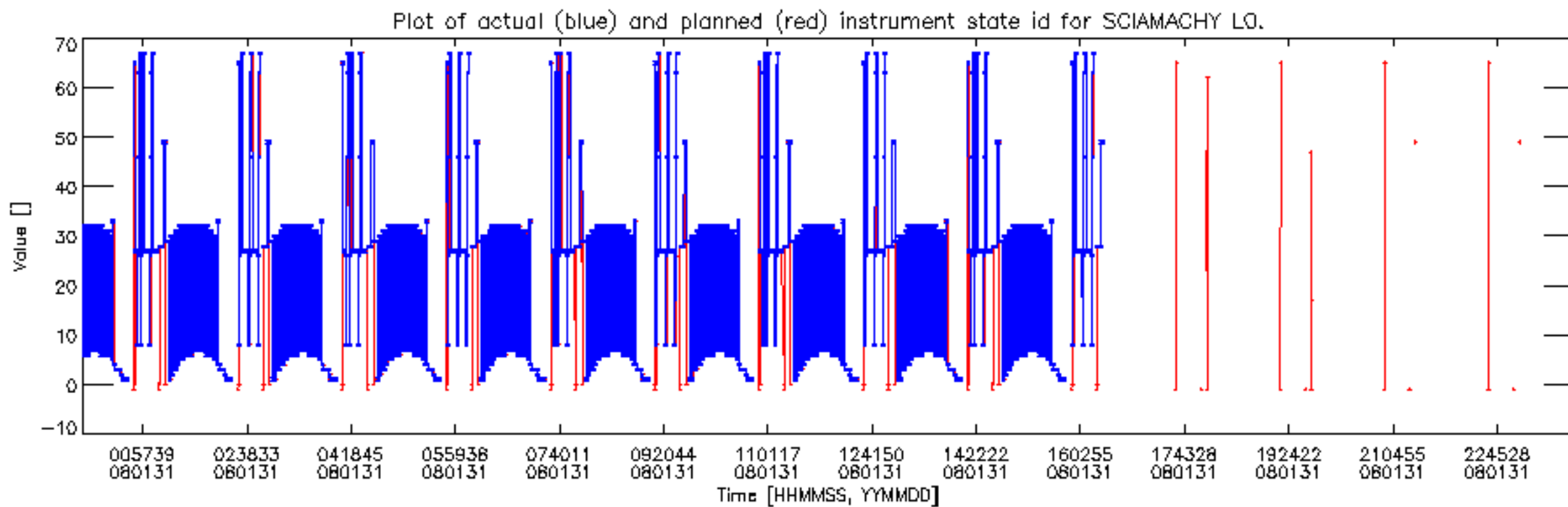












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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