

0. SCIAMACHY Daily Report for level 0 products

[0.1 General Info](#)

[0.2 Product Quality Indicators](#)

[0.3 State monitoring](#)

[0.4 ADF monitoring](#)

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	09JUL2008 05:23:07
Data source version	KSPT_L0/4303-N
Processing scope for products	05JUL2008 00:00:00 to 06JUL2008 00:00:00
Start time of first product within scope	04JUL2008 23:01:31
Stop time of last product within scope	06JUL2008 00:11:03
Total number of level 0 products	16
Number of level 0 products with errors	0

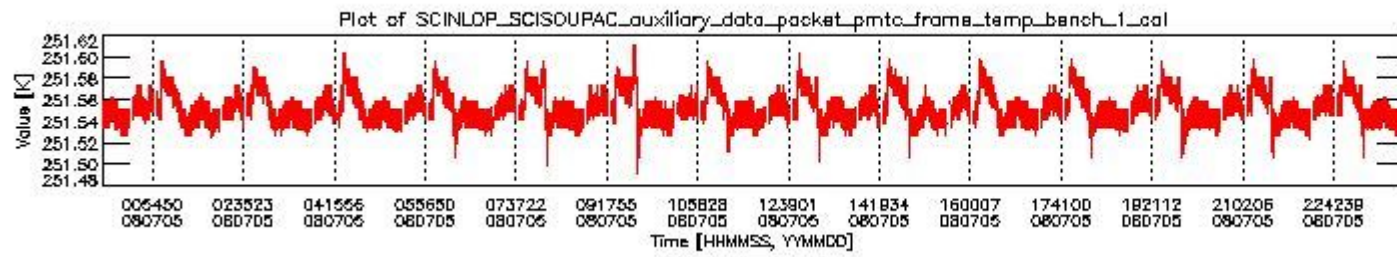
0.1.2 Summary per product

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

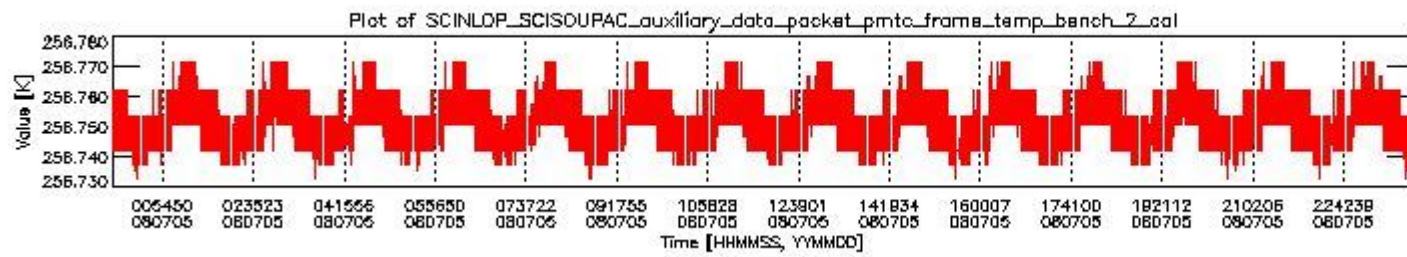
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080704_230131_000061122070_00058_33178_7047.N1	04JUL2008 23:01:31	05JUL2008 00:43:22	0	0	0	0	0
1	SCI_NL__OPNPDE20080705_004238_000057402070_00059_33179_6806.N1	05JUL2008 00:42:38	05JUL2008 02:18:19	0	0	0	0	0
2	SCI_NL__OPNPDE20080705_021734_000046592070_00060_33180_7048.N1	05JUL2008 02:17:34	05JUL2008 03:35:13	0	0	0	0	0
3	SCI_NL__OPNPDE20080705_033513_000061482070_00061_33181_7049.N1	05JUL2008 03:35:13	05JUL2008 05:17:41	0	0	0	0	0
4	SCI_NL__OPNPDE20080705_051645_000060362070_00062_33182_6809.N1	05JUL2008 05:16:45	05JUL2008 06:57:22	0	0	0	0	0
5	SCI_NL__OPNPDK20080705_065722_000040452070_00063_33183_8683.N1	05JUL2008 06:57:22	05JUL2008 08:04:47	0	0	0	0	0
6	SCI_NL__OPNPDK20080705_080338_000061602070_00064_33184_8684.N1	05JUL2008 08:03:38	05JUL2008 09:46:19	0	0	0	0	0
7	SCI_NL__OPNPDK20080705_094619_000059802070_00065_33185_8686.N1	05JUL2008 09:46:19	05JUL2008 11:25:59	0	0	0	0	0
8	SCI_NL__OPNPDK20080705_112559_000059122070_00066_33186_8687.N1	05JUL2008 11:25:59	05JUL2008 13:04:30	0	0	0	0	0
9	SCI_NL__OPNPDK20080705_130430_000059672070_00067_33187_8688.N1	05JUL2008 13:04:30	05JUL2008 14:43:58	0	0	0	0	0
10	SCI_NL__OPNPDK20080705_144302_000059122070_00068_33188_8689.N1	05JUL2008 14:43:02	05JUL2008 16:21:33	0	0	0	0	0
11	SCI_NL__OPNPDK20080705_162133_000058592070_00069_33189_8690.N1	05JUL2008 16:21:33	05JUL2008 17:59:12	0	0	0	0	0
12	SCI_NL__OPNPDK20080705_175816_000059802070_00070_33190_8691.N1	05JUL2008 17:58:16	05JUL2008 19:37:57	0	0	0	0	0
13	SCI_NL__OPNPDE20080705_193648_000040922070_00071_33191_6810.N1	05JUL2008 19:36:48	05JUL2008 20:45:00	0	0	0	0	0
14	SCI_NL__OPNPDE20080705_204426_000064172070_00071_33191_6811.N1	05JUL2008 20:44:26	05JUL2008 22:31:23	0	0	0	0	0
15	SCI_NL__OPNPDE20080705_222956_000060682070_00072_33192_7051.N1	05JUL2008 22:29:56	06JUL2008 00:11:03	0	0	0	0	0

0.2 Product Quality Indicators

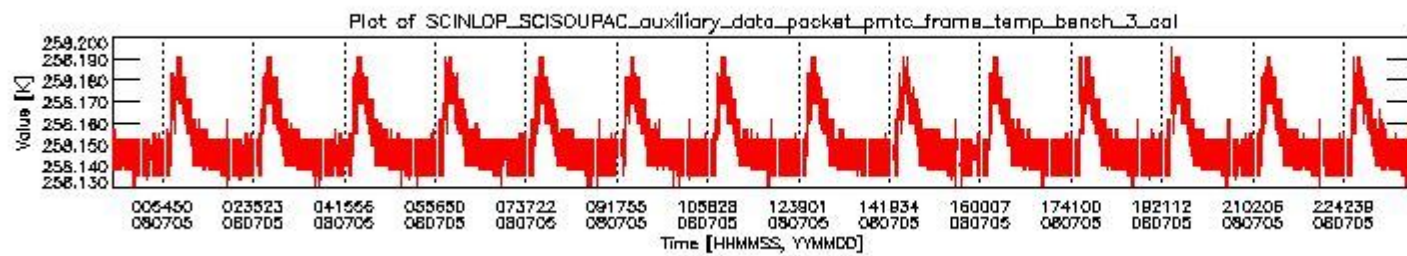
This section shows information about product quality, currently temperatures.



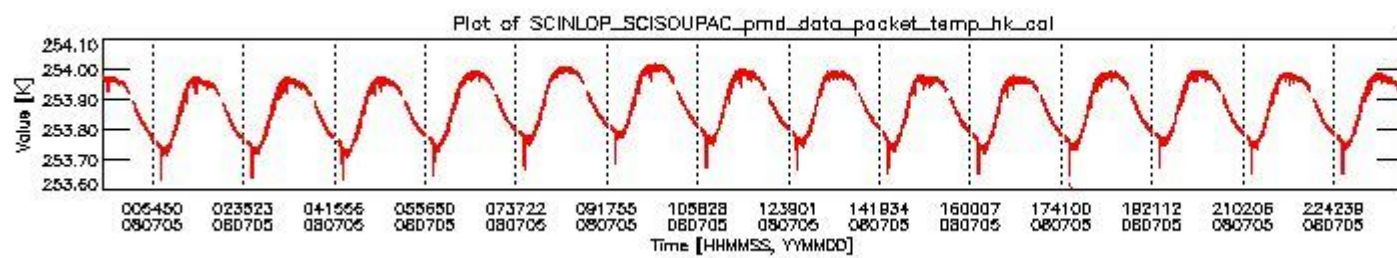
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080705_0.PNG



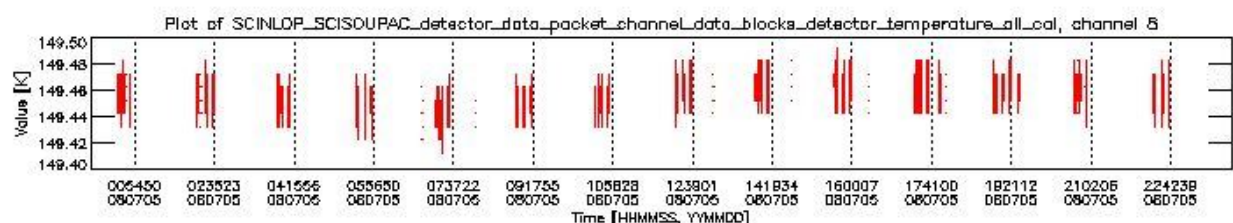
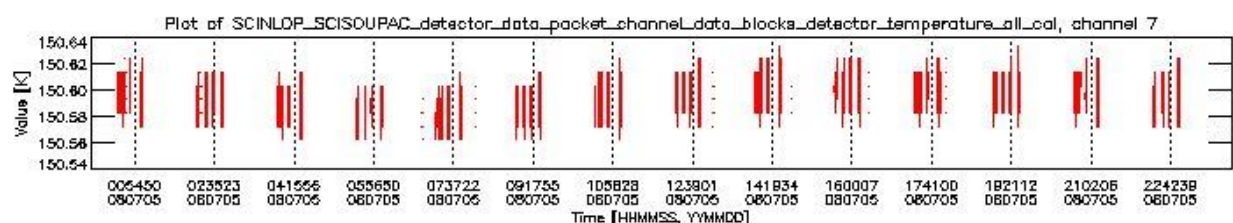
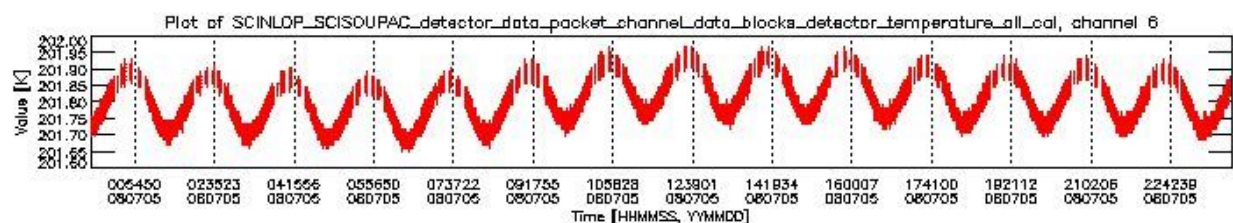
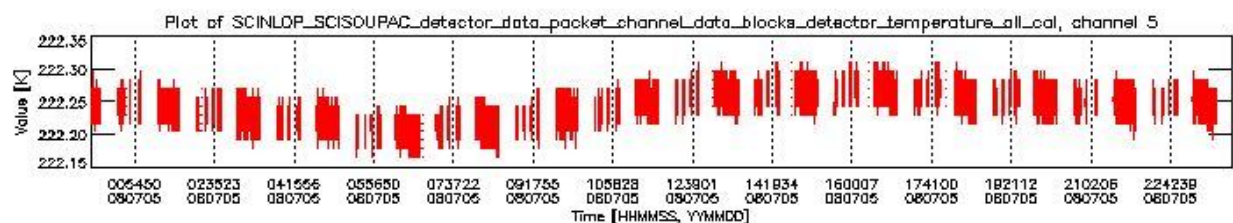
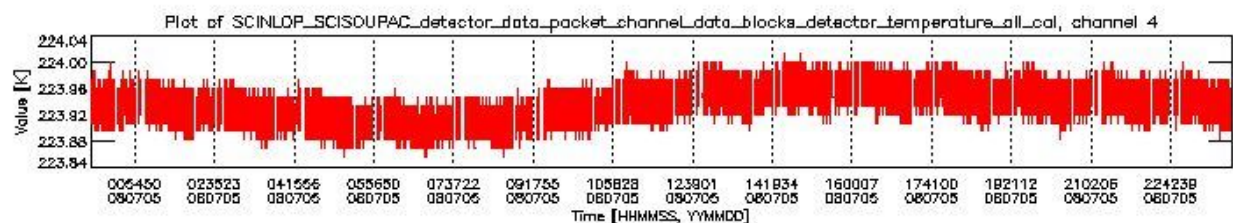
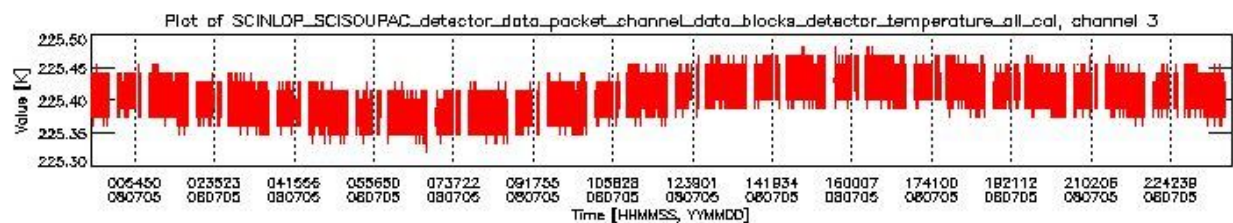
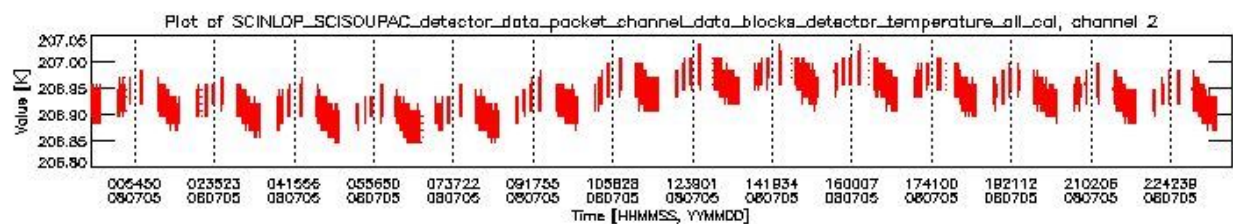
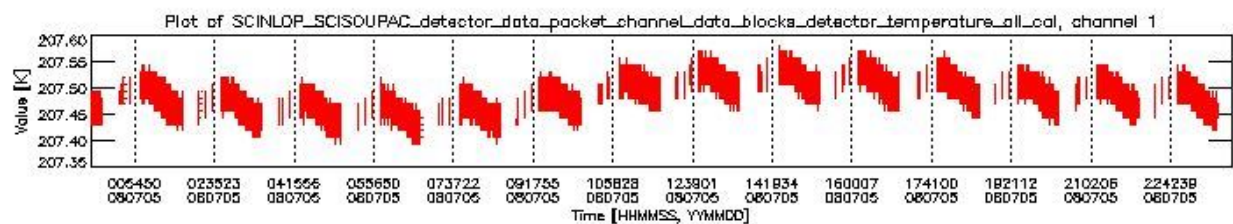
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080705_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080705_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080705_3.PNG

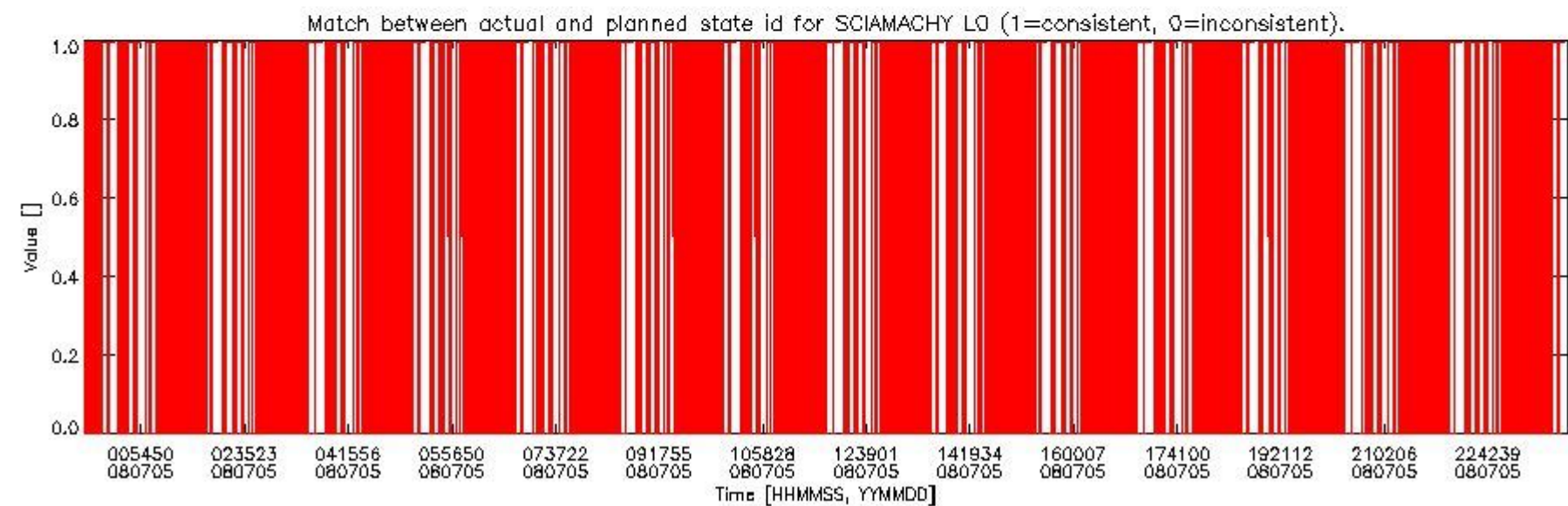
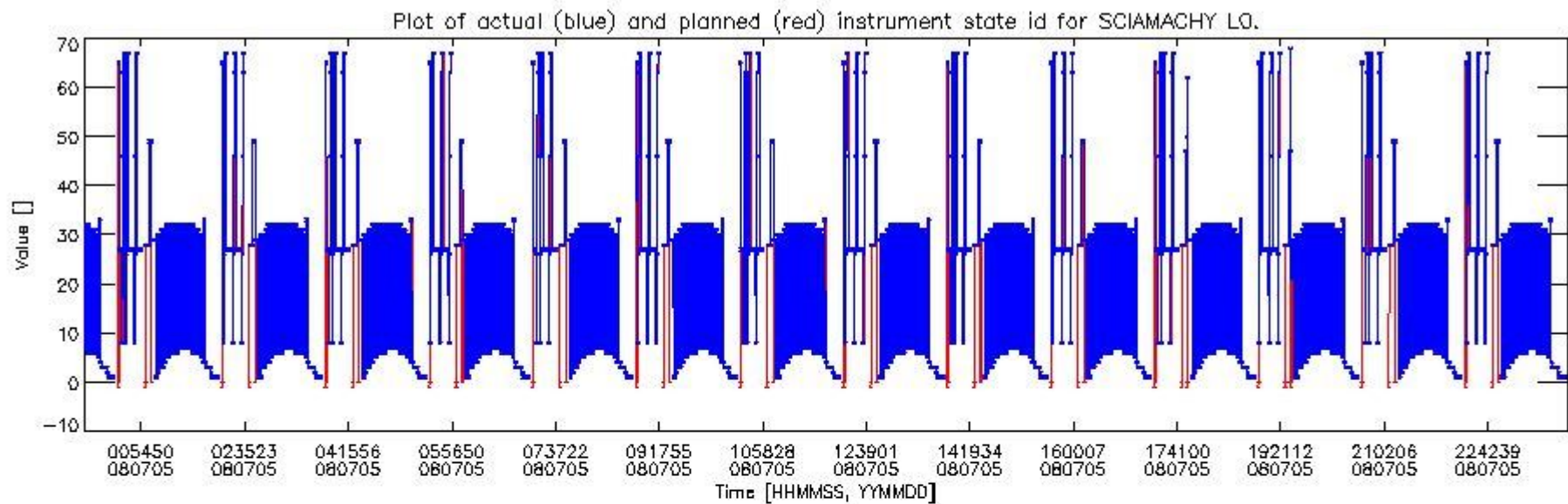


0.3 State monitoring

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: **36927**

#	Actual time	Actual value	Planned time	Planned value
0	05JUL2008 00:00:26.912990	7	05JUL2008 00:00:26.912990	32
1	05JUL2008 00:00:27.287963	7	05JUL2008 00:00:27.287963	32
2	05JUL2008 00:00:27.537972	7	05JUL2008 00:00:27.537972	32
3	05JUL2008 00:00:27.787980	7	05JUL2008 00:00:27.787980	32
4	05JUL2008 00:00:28.037989	7	05JUL2008 00:00:28.037989	32
5	05JUL2008 00:00:28.287958	7	05JUL2008 00:00:28.287958	32
6	05JUL2008 00:00:28.537966	7	05JUL2008 00:00:28.537966	32
7	05JUL2008 00:00:28.787975	7	05JUL2008 00:00:28.787975	32
8	05JUL2008 00:00:29.037984	7	05JUL2008 00:00:29.037984	32
9	05JUL2008 00:00:29.287992	7	05JUL2008 00:00:29.287992	32
10	05JUL2008 00:00:29.537961	7	05JUL2008 00:00:29.537961	32
11	05JUL2008 00:00:29.787970	7	05JUL2008 00:00:29.787970	32
12	05JUL2008 00:00:30.037978	7	05JUL2008 00:00:30.037978	32
13	05JUL2008 00:00:30.287987	7	05JUL2008 00:00:30.287987	32
14	05JUL2008 00:00:30.537955	7	05JUL2008 00:00:30.537955	32
15	05JUL2008 00:00:30.787964	7	05JUL2008 00:00:30.787964	32
16	05JUL2008 00:00:31.037973	7	05JUL2008 00:00:31.037973	32
17	05JUL2008 00:00:31.287982	7	05JUL2008 00:00:31.287982	32
18	05JUL2008 00:00:31.537990	7	05JUL2008 00:00:31.537990	32
19	05JUL2008 00:00:31.787959	7	05JUL2008 00:00:31.787959	32

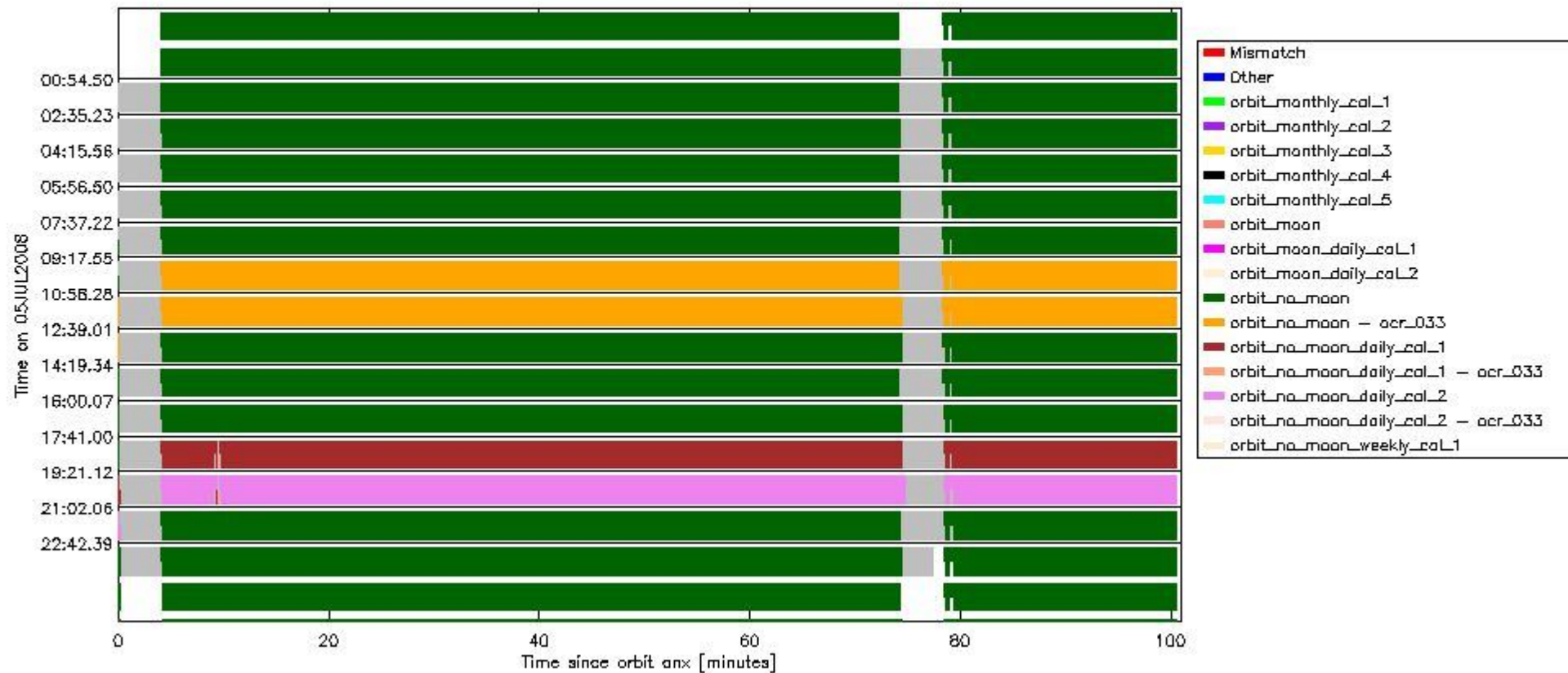


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080705_5.PNG

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 05JUL2008.
 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_20080705_6.PNG

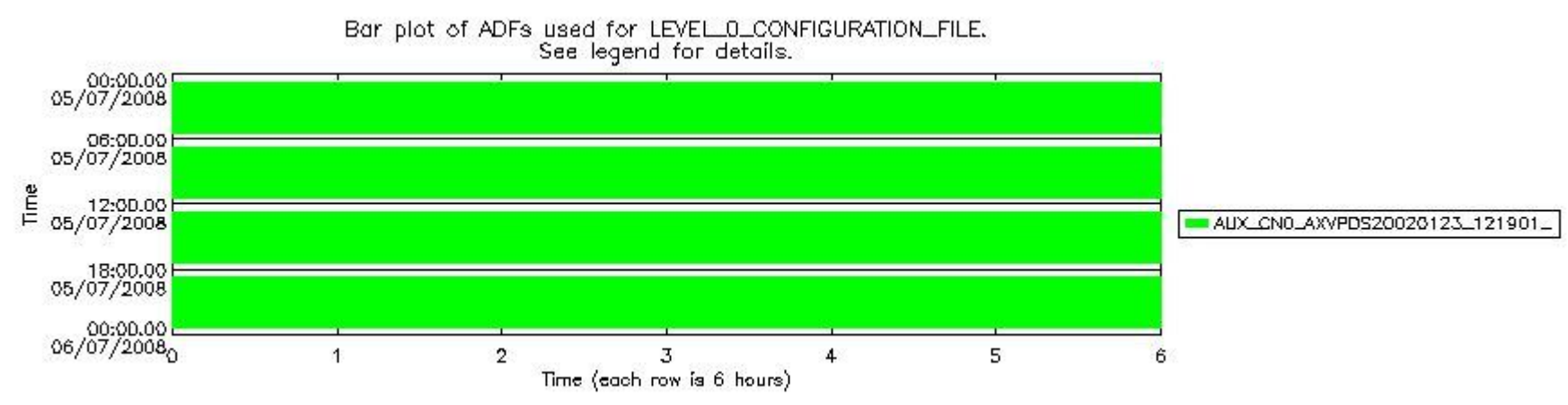
0.4 ADF monitoring

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

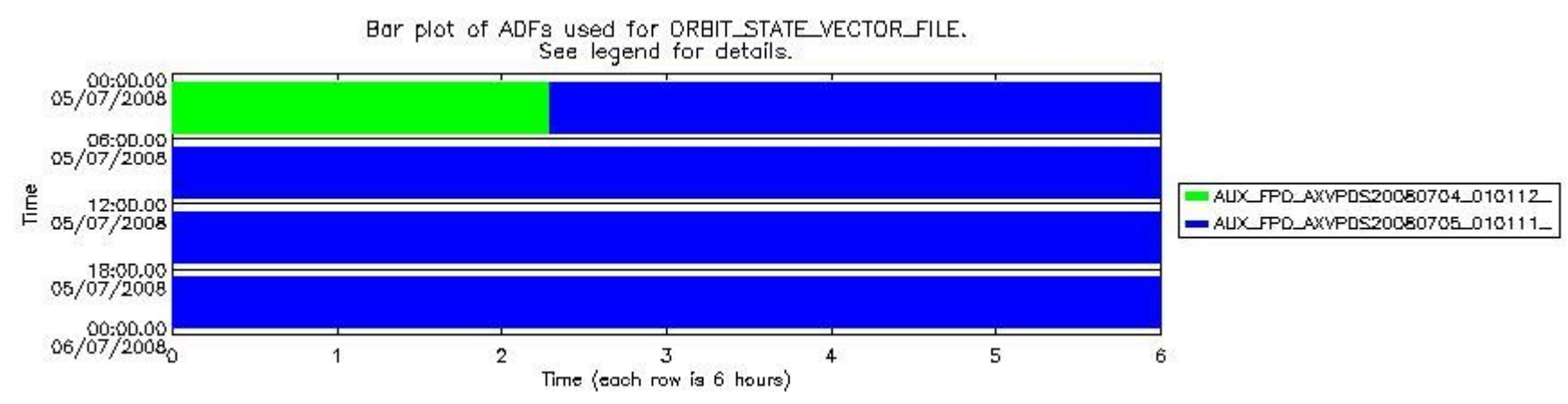
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

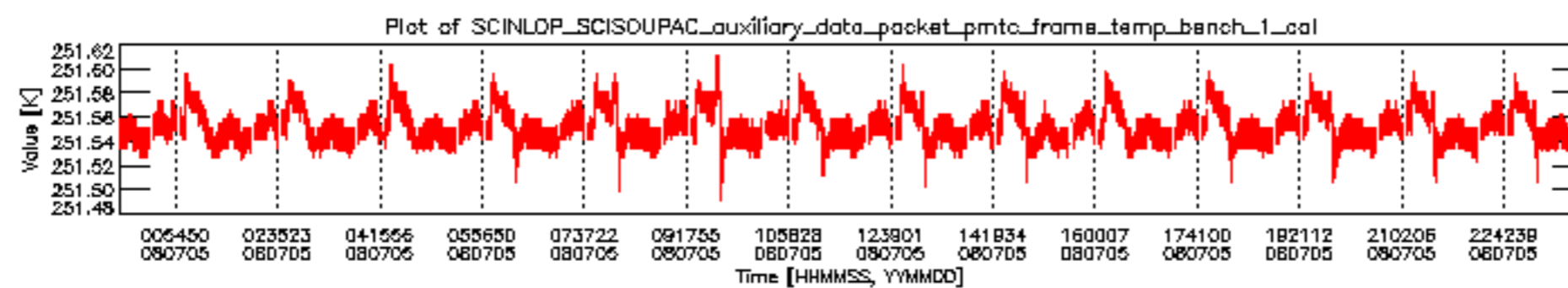
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080704_010112_20080703_184404_20080713_201019
2	AUX_FPO_AXVPDS20080705_010111_20080704_195303_20080714_211917

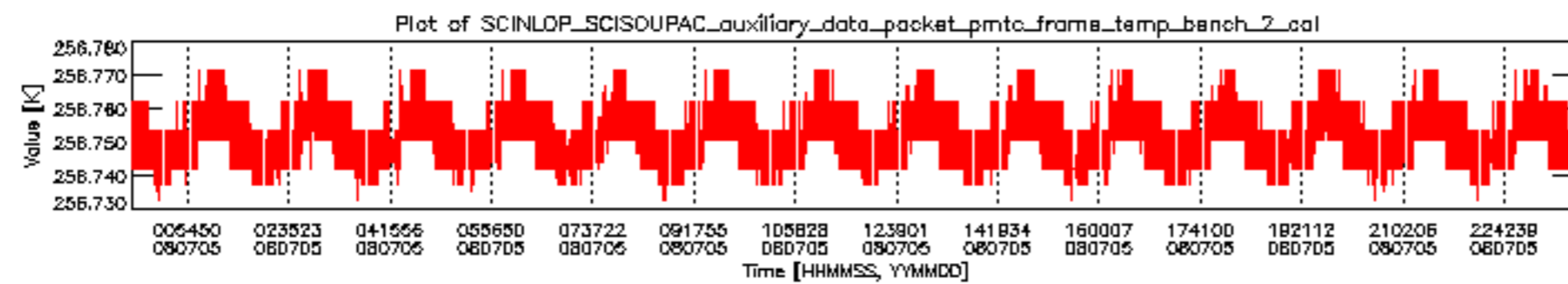


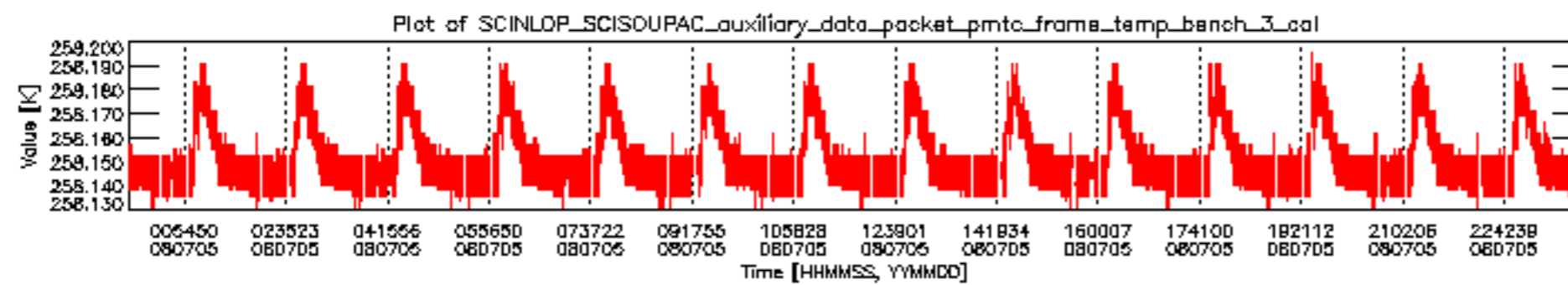
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080705_7.PNG

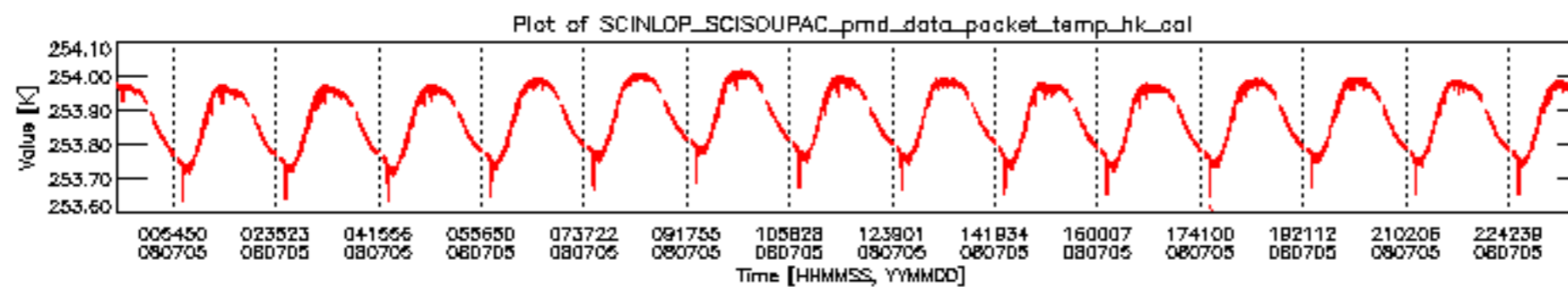


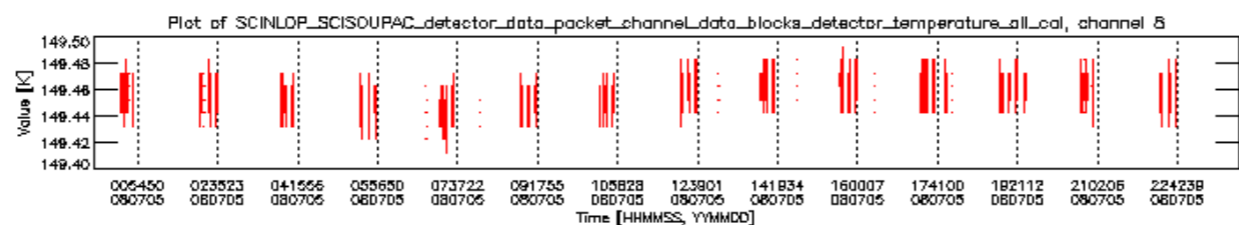
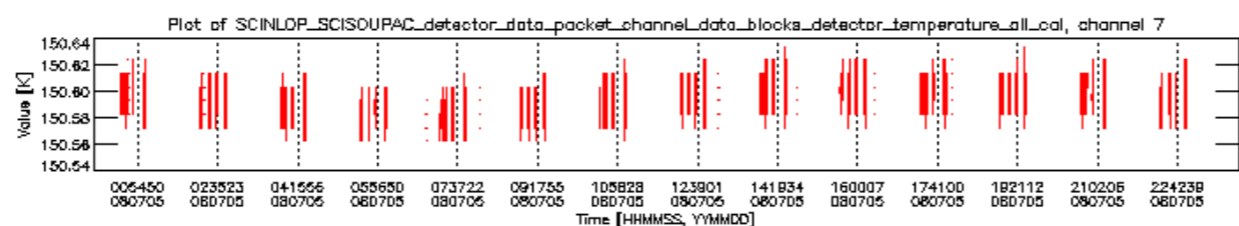
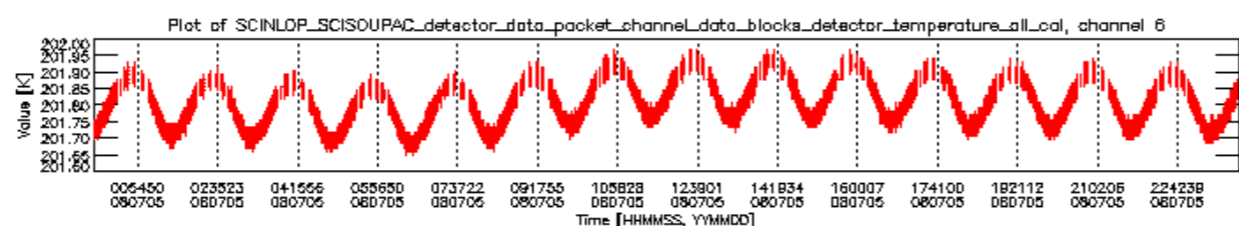
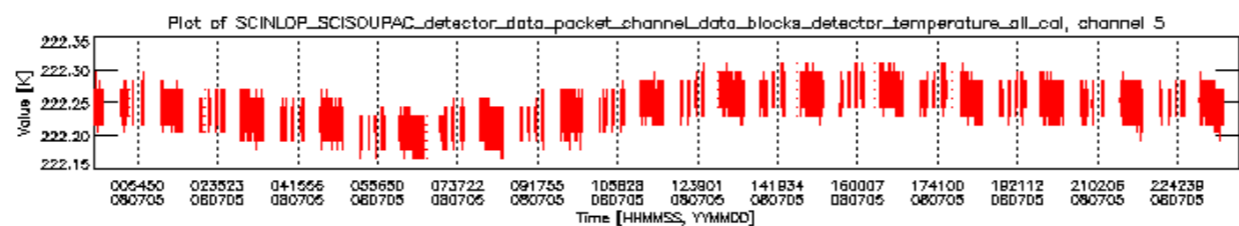
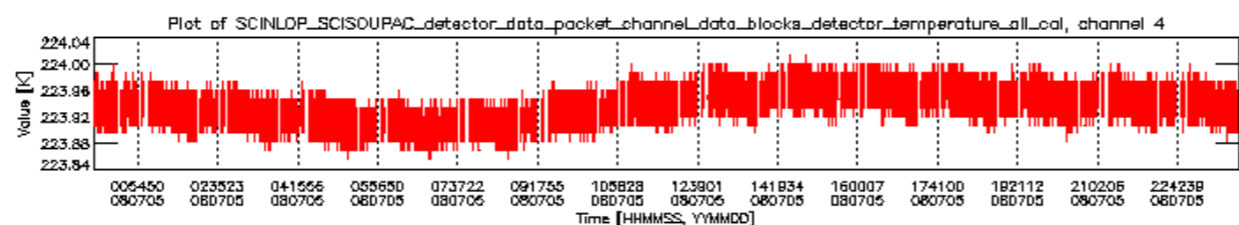
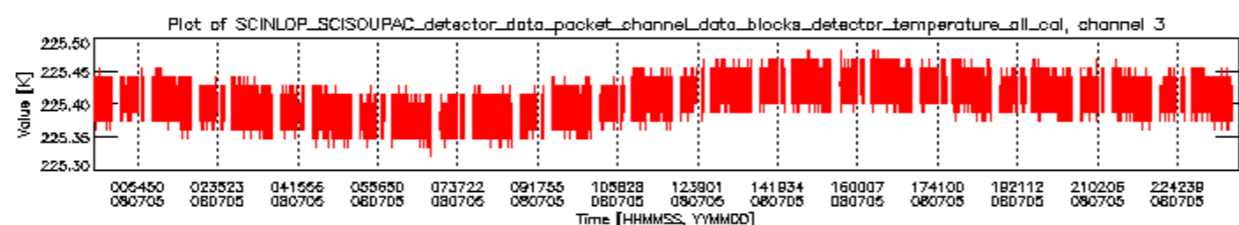
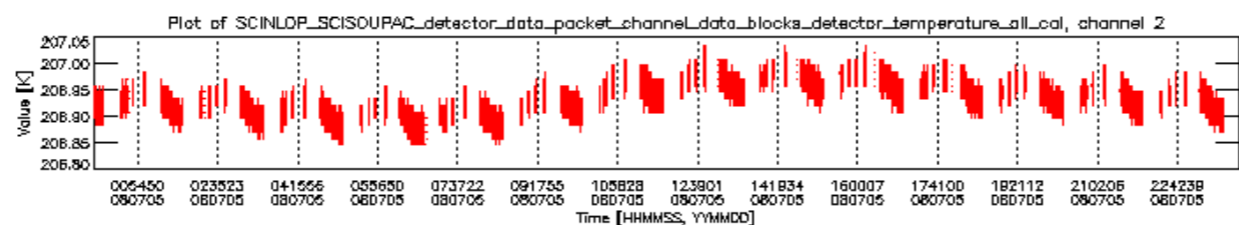
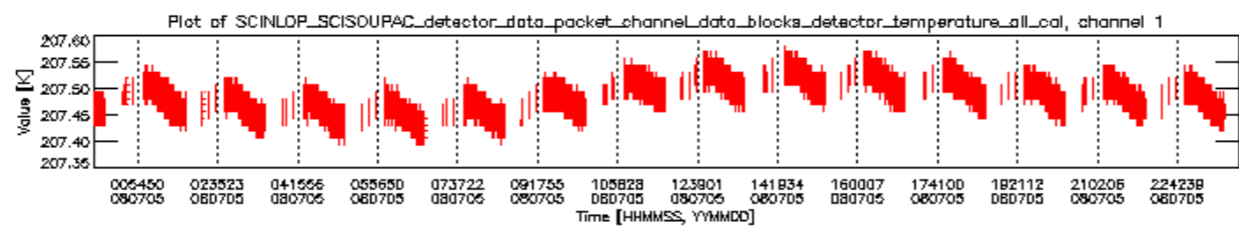
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080705_8.PNG

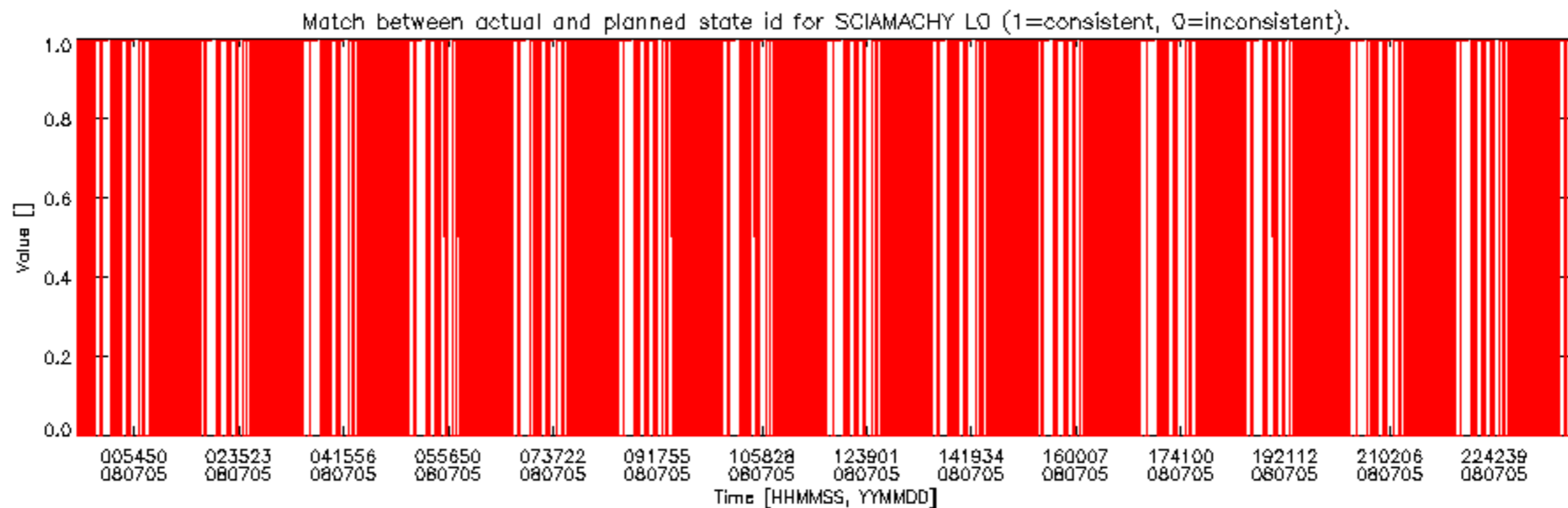
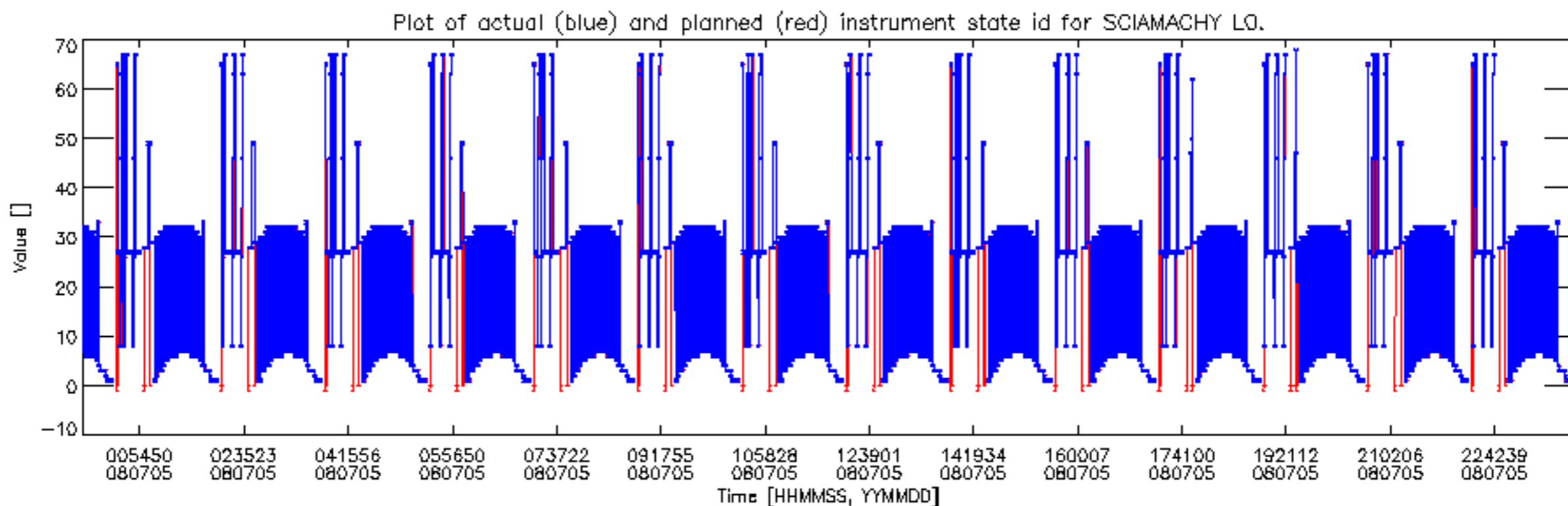












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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