

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	29AUG2008 04:46:09
Data source version	KSPT_L0/4303-N
Processing scope for products	25AUG2008 00:00:00 to 26AUG2008 00:00:00
Start time of first product within scope	24AUG2008 22:58:12
Stop time of last product within scope	26AUG2008 00:10:09
Total number of level 0 products	16
Number of level 0 products with errors	0

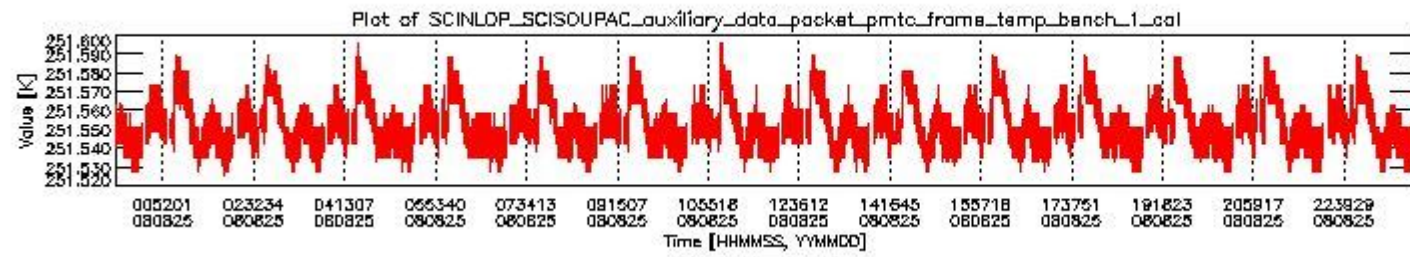
0.1.2 Summary per product

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

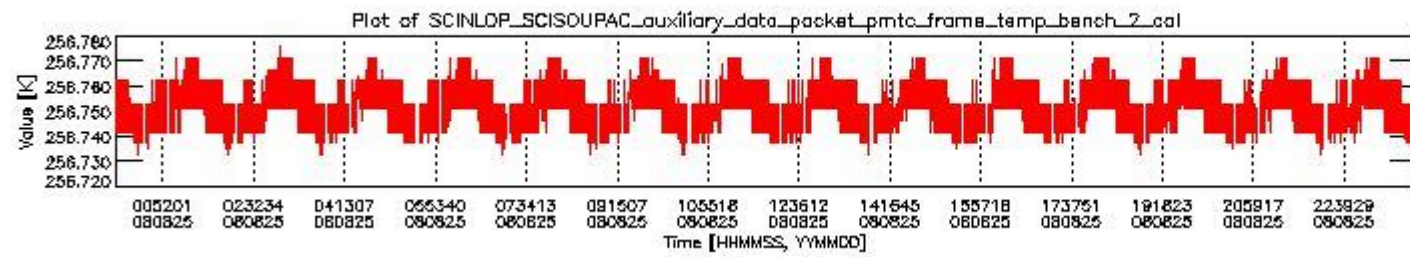
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080824_225812_000061642071_00287_33908_7374.N1	24AUG2008 22:58:12	25AUG2008 00:40:56	0	0	0	0	0
1	SCI_NL__OPNPDE20080825_004012_000057402071_00288_33909_7375.N1	25AUG2008 00:40:12	25AUG2008 02:15:52	0	0	0	0	0
2	SCI_NL__OPNPDE20080825_021508_000045702071_00289_33910_7376.N1	25AUG2008 02:15:08	25AUG2008 03:31:18	0	0	0	0	0
3	SCI_NL__OPNPDE20080825_033118_000061742071_00290_33911_7377.N1	25AUG2008 03:31:18	25AUG2008 05:14:11	0	0	0	0	0
4	SCI_NL__OPNPDE20080825_051303_000061612071_00291_33912_7378.N1	25AUG2008 05:13:03	25AUG2008 06:55:44	0	0	0	0	0
5	SCI_NL__OPNPDK20080825_065435_000040582071_00292_33913_9117.N1	25AUG2008 06:54:35	25AUG2008 08:02:13	0	0	0	0	0
6	SCI_NL__OPNPDK20080825_080105_000062172071_00293_33914_9118.N1	25AUG2008 08:01:05	25AUG2008 09:44:41	0	0	0	0	0
7	SCI_NL__OPNPDK20080825_094441_000059802071_00294_33915_9119.N1	25AUG2008 09:44:41	25AUG2008 11:24:22	0	0	0	0	0
8	SCI_NL__OPNPDK20080825_112326_000058992071_00295_33916_9120.N1	25AUG2008 11:23:26	25AUG2008 13:01:45	0	0	0	0	0
9	SCI_NL__OPNPDK20080825_130145_000059252071_00296_33917_9121.N1	25AUG2008 13:01:45	25AUG2008 14:40:30	0	0	0	0	0
10	SCI_NL__OPNPDK20080825_143921_000059122071_00297_33918_9122.N1	25AUG2008 14:39:21	25AUG2008 16:17:53	0	0	0	0	0
11	SCI_NL__OPNPDK20080825_161645_000059442071_00298_33919_9123.N1	25AUG2008 16:16:45	25AUG2008 17:55:49	0	0	0	0	0
12	SCI_NL__OPNPDK20080825_175440_000059812071_00299_33920_9124.N1	25AUG2008 17:54:40	25AUG2008 19:34:21	0	0	0	0	0
13	SCI_NL__OPNPDE20080825_193229_000042842071_00300_33921_7379.N1	25AUG2008 19:32:29	25AUG2008 20:43:53	0	0	0	0	0
14	SCI_NL__OPNPDE20080825_204353_000061682071_00300_33921_7380.N1	25AUG2008 20:43:53	25AUG2008 22:26:41	0	0	0	0	0
15	SCI_NL__OPNPDE20080825_222641_000062082071_00301_33922_7381.N1	25AUG2008 22:26:41	26AUG2008 00:10:09	0	0	0	0	0

0.2 Product Quality Indicators

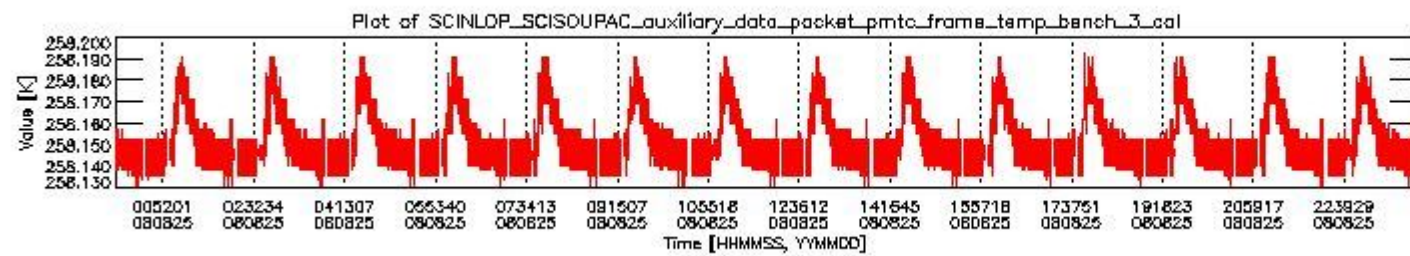
This section shows information about product quality, currently temperatures.



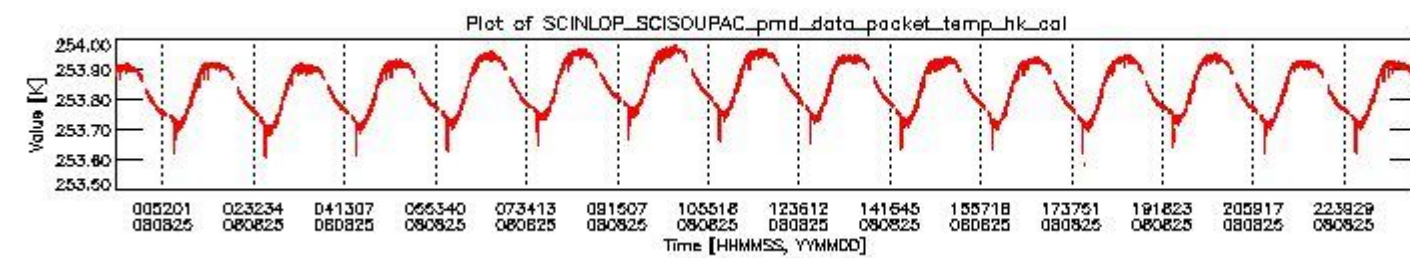
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080825_0.PNG



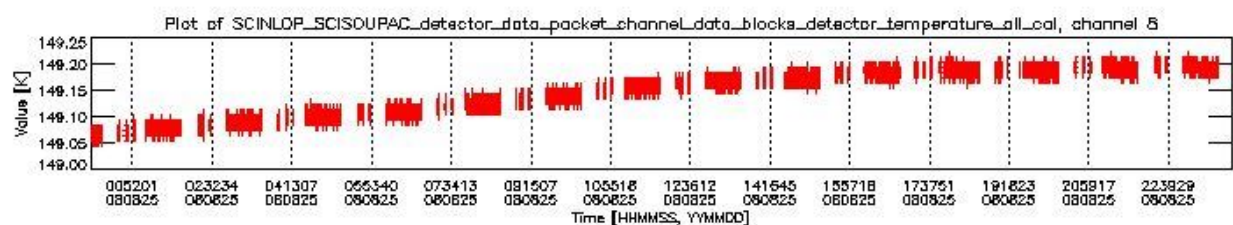
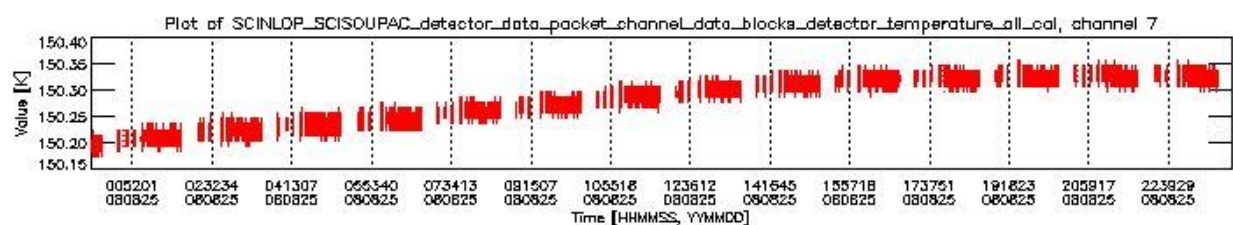
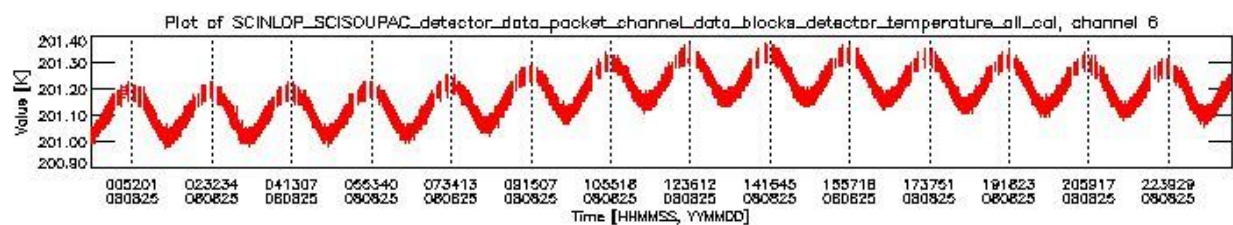
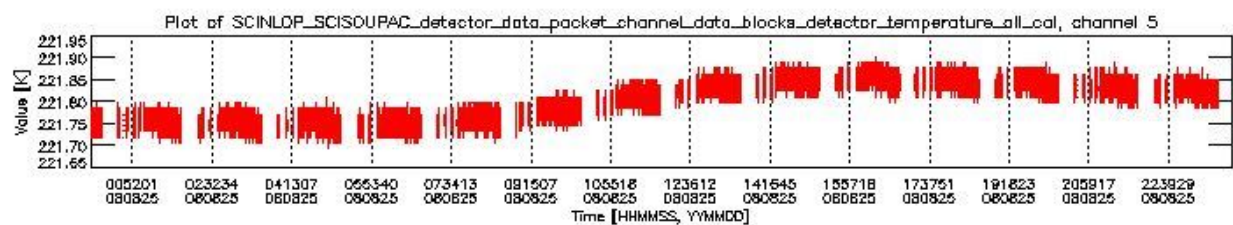
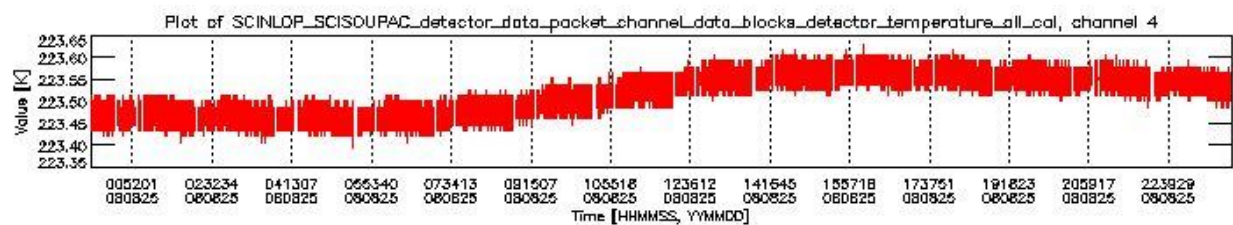
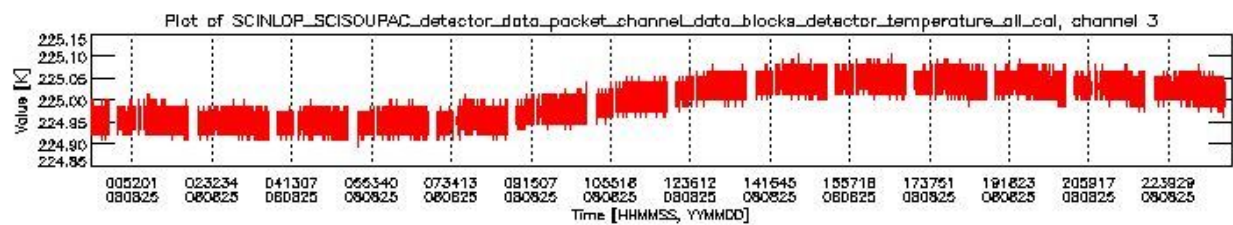
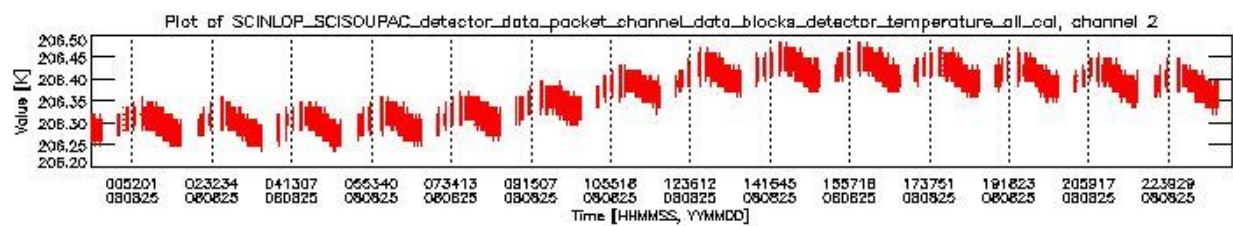
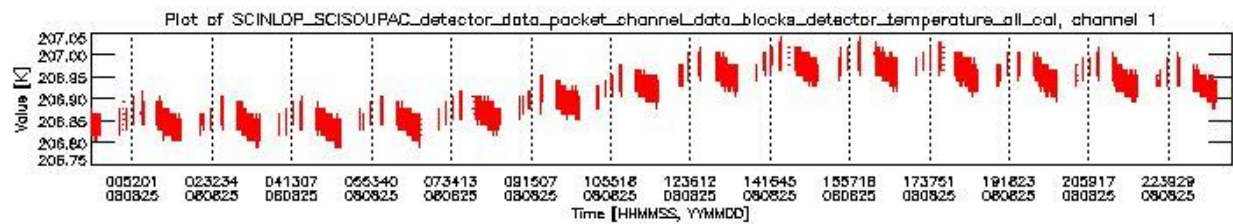
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080825_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080825_3.PNG

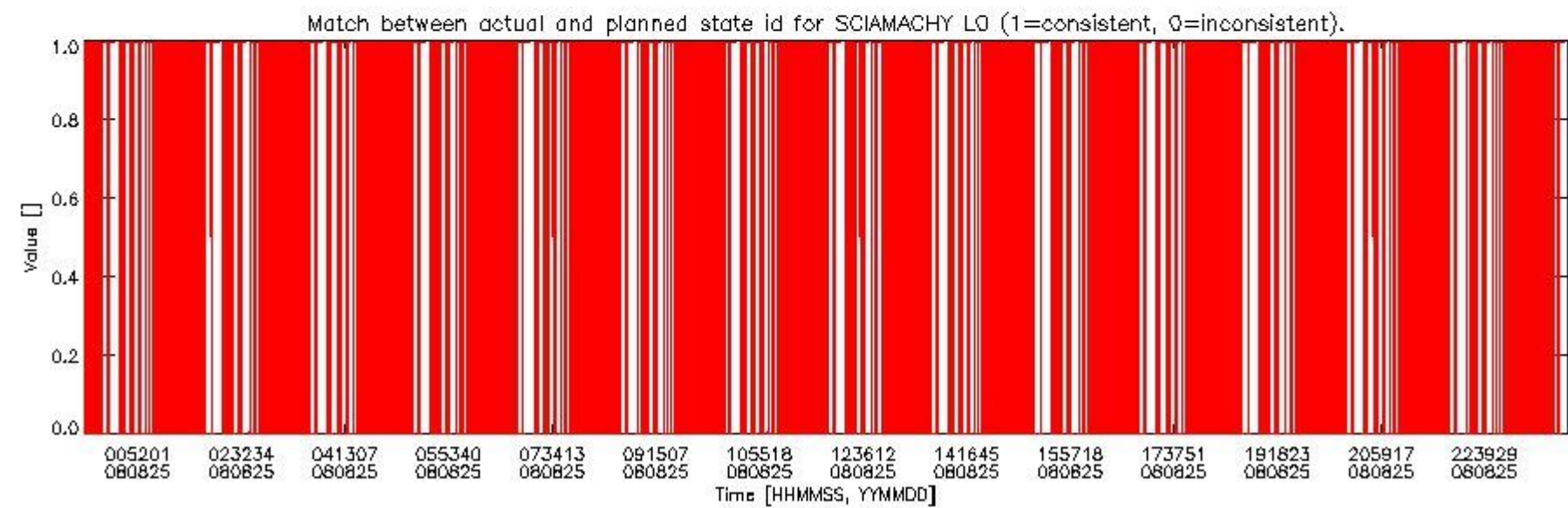
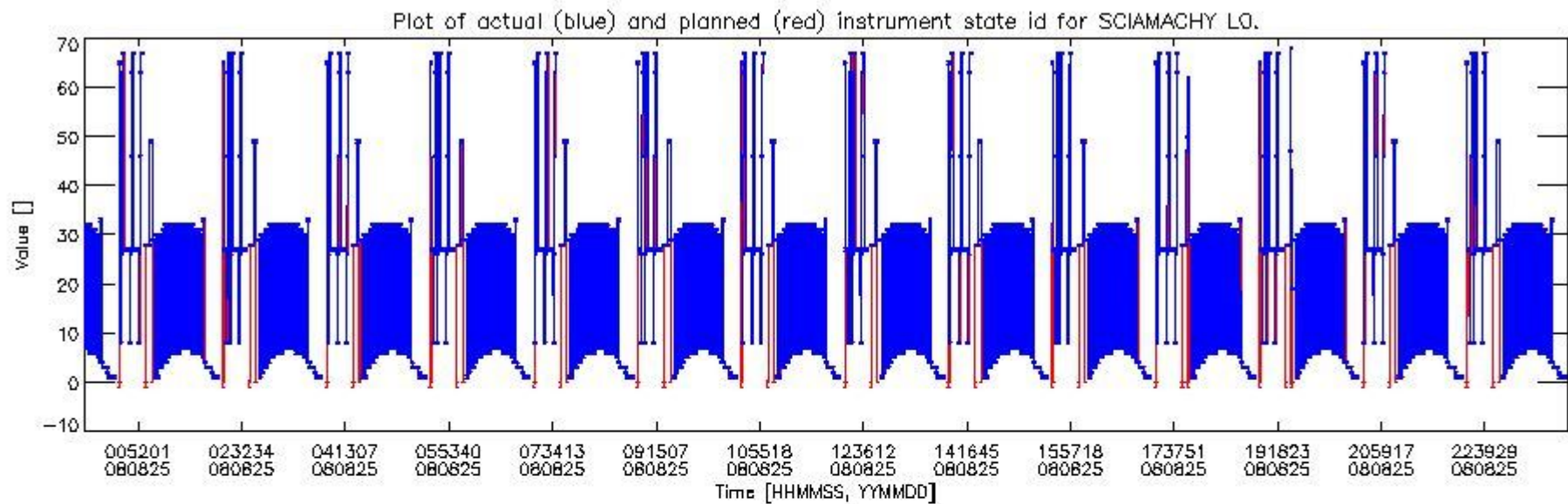


0.3 State monitoring

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: **43784**

#	Actual time	Actual value	Planned time	Planned value
0	25AUG2008 00:00:52.152644	32	25AUG2008 00:00:52.152644	7
1	25AUG2008 00:00:52.777626	32	25AUG2008 00:00:52.777626	7
2	25AUG2008 00:00:53.152639	32	25AUG2008 00:00:53.152639	7
3	25AUG2008 00:00:53.527652	32	25AUG2008 00:00:53.527652	7
4	25AUG2008 00:00:54.090151	32	25AUG2008 00:00:54.090151	7
5	25AUG2008 00:00:54.465124	32	25AUG2008 00:00:54.465124	7
6	25AUG2008 00:00:54.840137	32	25AUG2008 00:00:54.840137	7
7	25AUG2008 00:00:55.215150	32	25AUG2008 00:00:55.215150	7
8	25AUG2008 00:00:55.777650	32	25AUG2008 00:00:55.777650	7
9	25AUG2008 00:00:56.152622	32	25AUG2008 00:00:56.152622	7
10	25AUG2008 00:00:56.527635	32	25AUG2008 00:00:56.527635	7
11	25AUG2008 00:00:56.902649	32	25AUG2008 00:00:56.902649	7
12	25AUG2008 00:00:57.152657	32	25AUG2008 00:00:57.152657	7
13	25AUG2008 00:00:57.465148	32	25AUG2008 00:00:57.465148	7
14	25AUG2008 00:00:57.840121	32	25AUG2008 00:00:57.840121	7
15	25AUG2008 00:00:58.215134	32	25AUG2008 00:00:58.215134	7
16	25AUG2008 00:00:58.590147	32	25AUG2008 00:00:58.590147	7
17	25AUG2008 00:00:59.152646	32	25AUG2008 00:00:59.152646	7
18	25AUG2008 00:00:59.527619	32	25AUG2008 00:00:59.527619	7
19	25AUG2008 00:00:59.902632	32	25AUG2008 00:00:59.902632	7

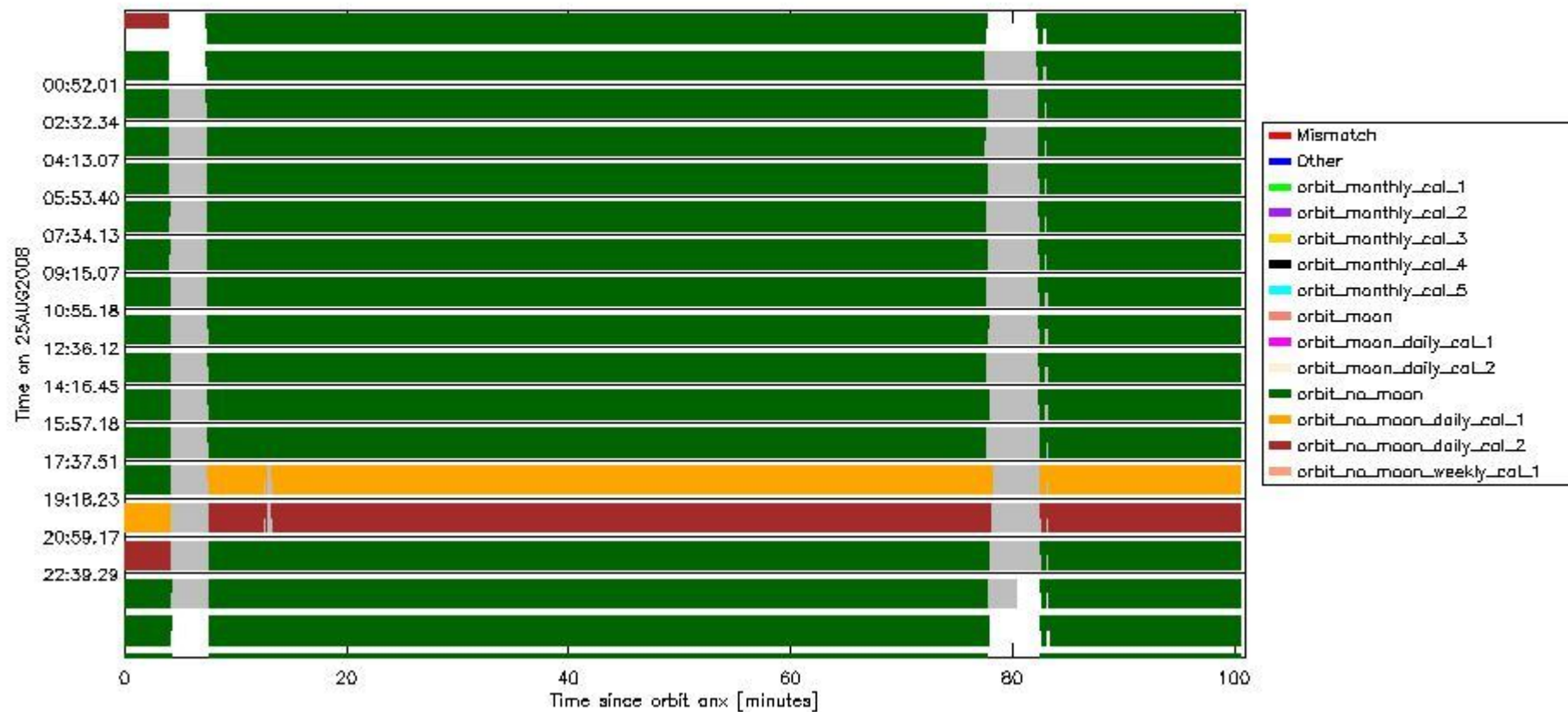


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080825_5.PNG

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 25AUG2008.
 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_20080825_6.PNG

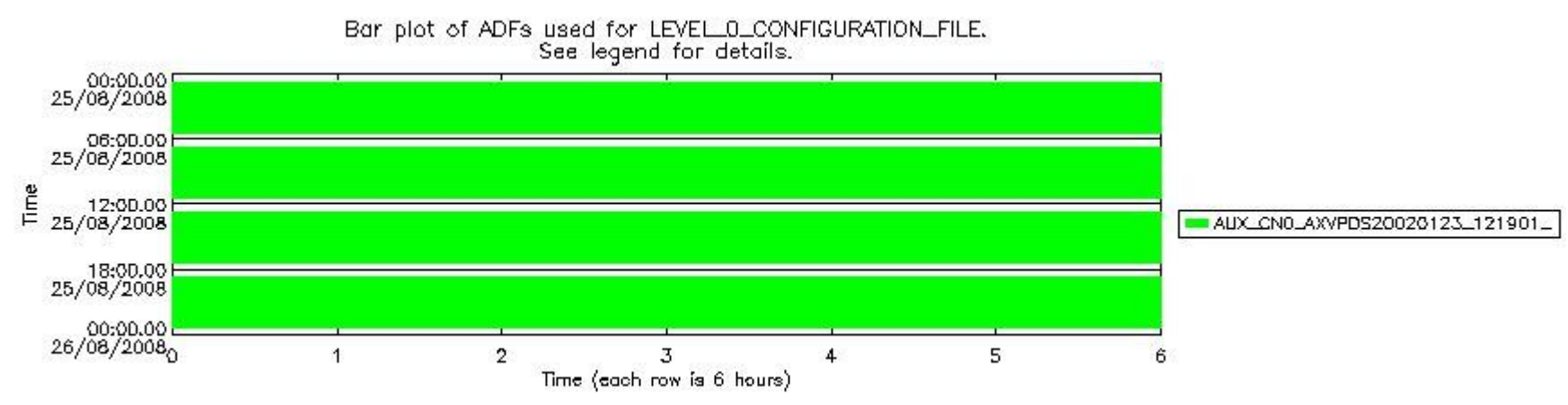
0.4 ADF monitoring

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

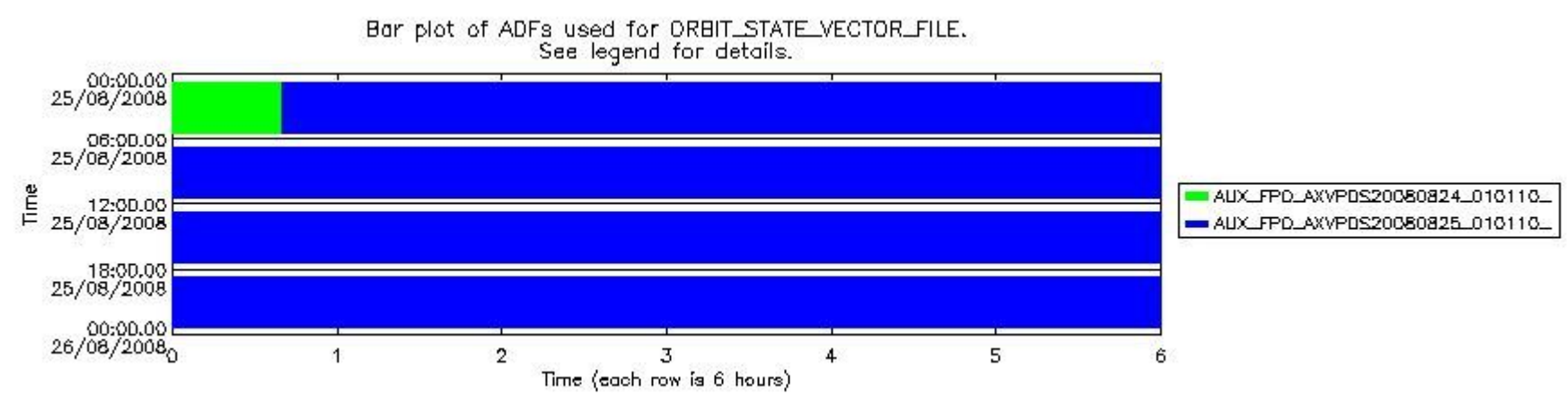
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

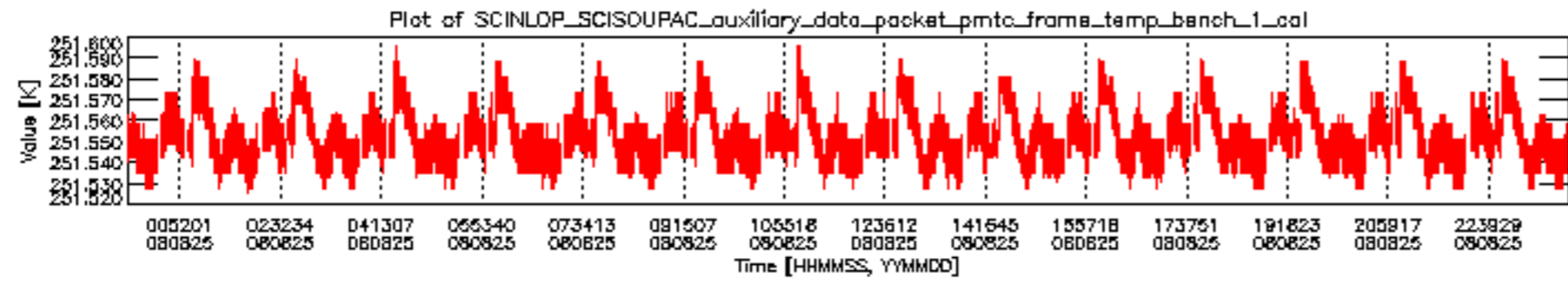
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080824_010110_20080823_184110_20080902_200722
2	AUX_FPO_AXVPDS20080825_010110_20080824_195009_20080903_211621

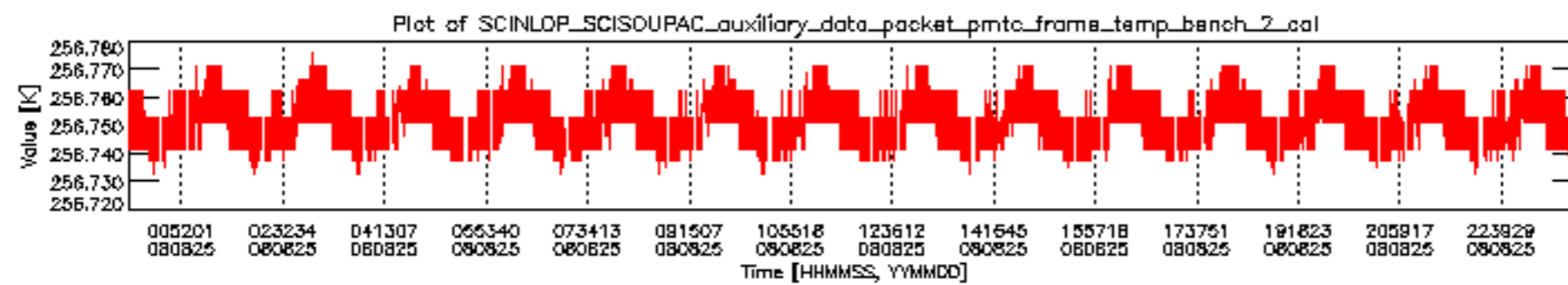


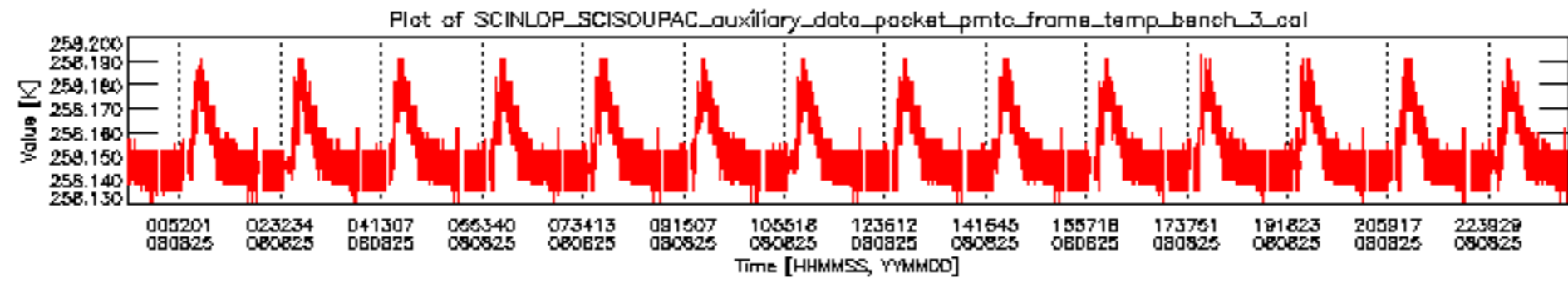
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080825_7.PNG

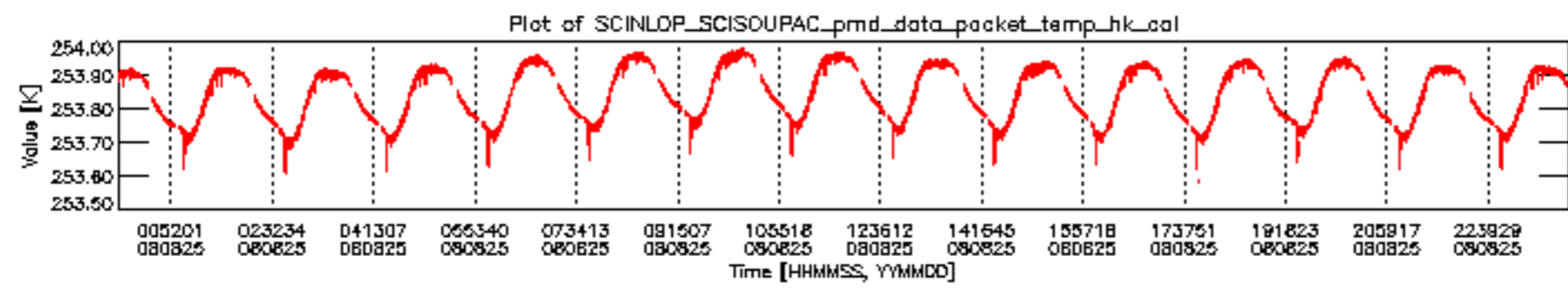


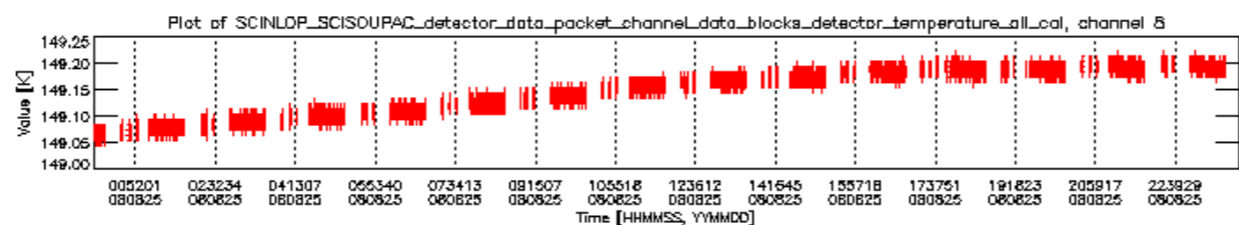
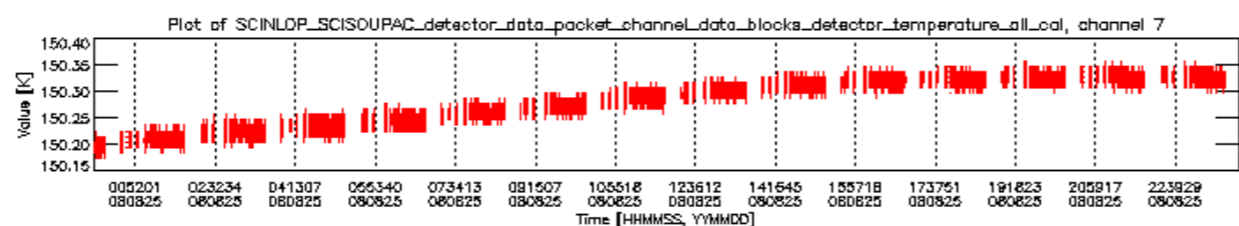
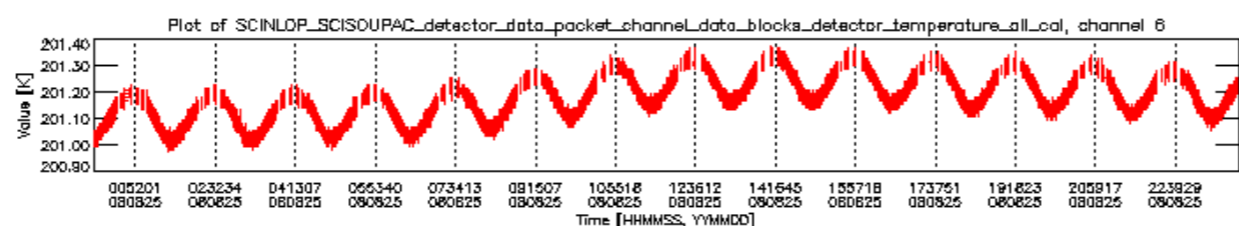
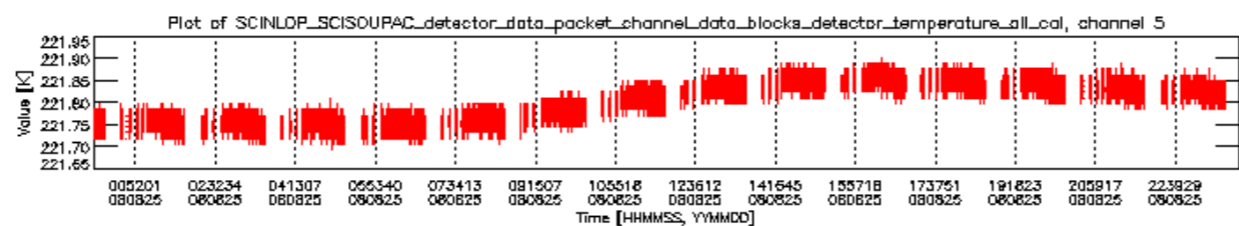
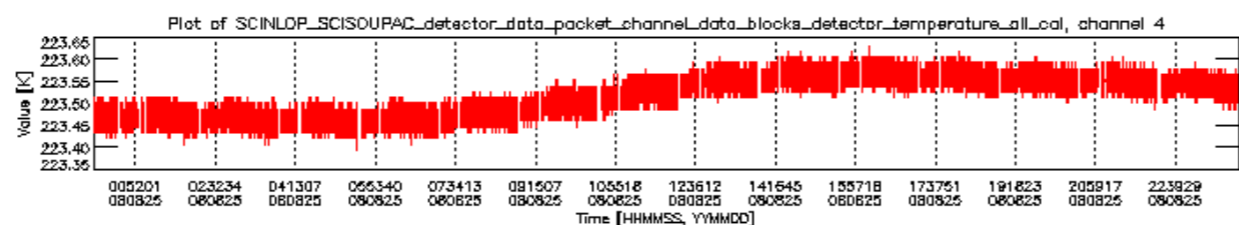
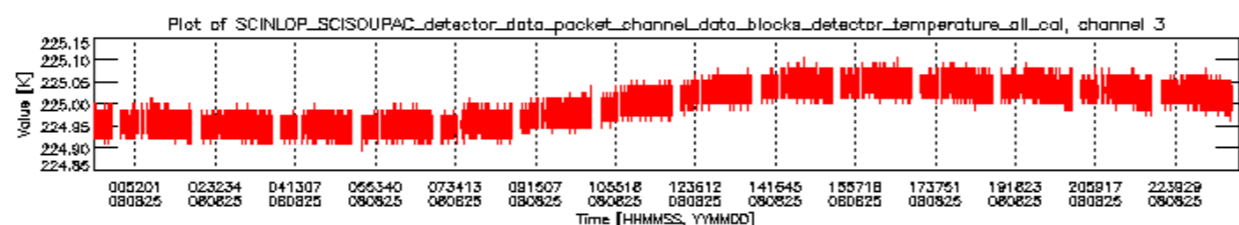
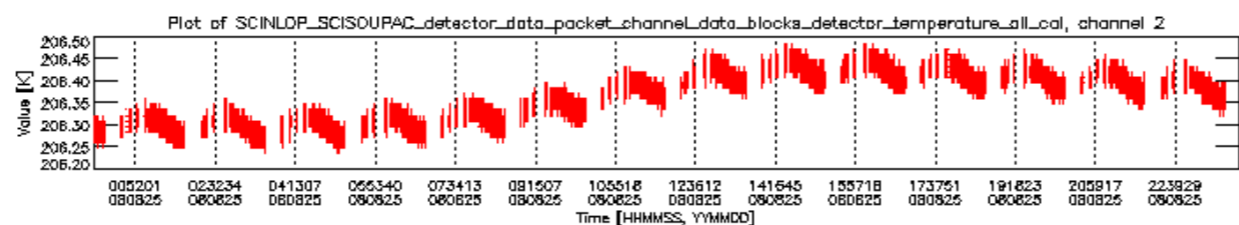
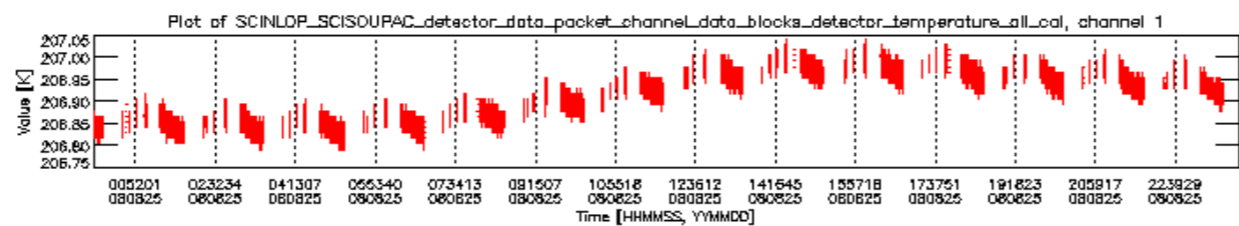
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080825_8.PNG

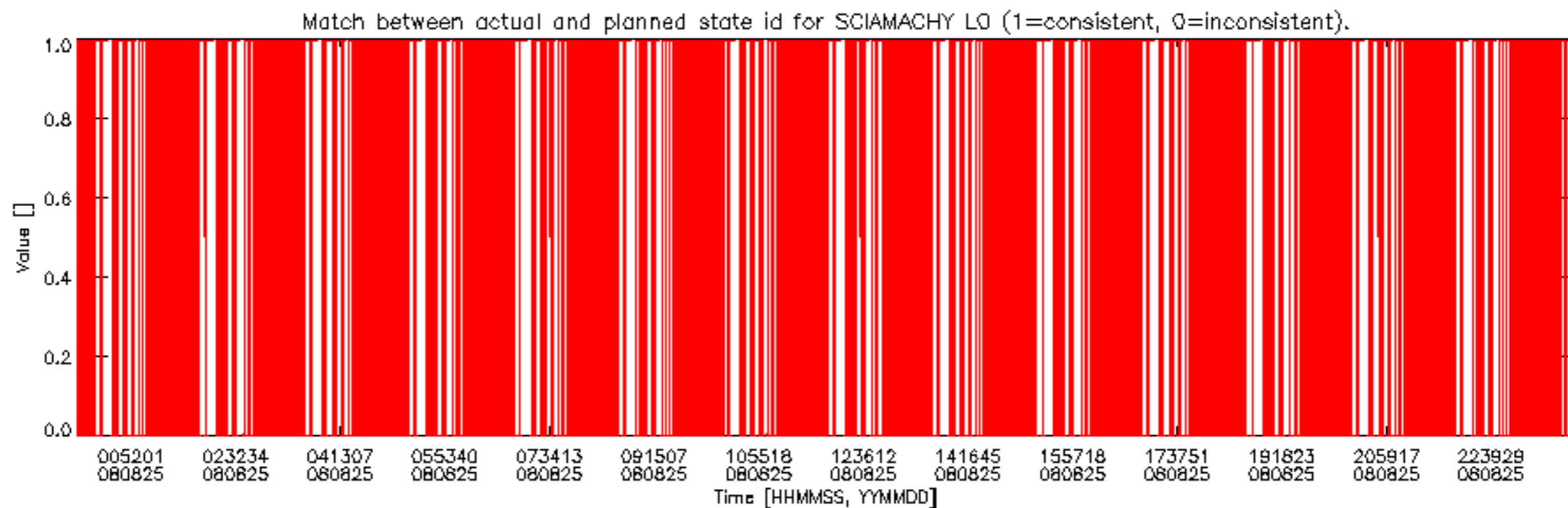
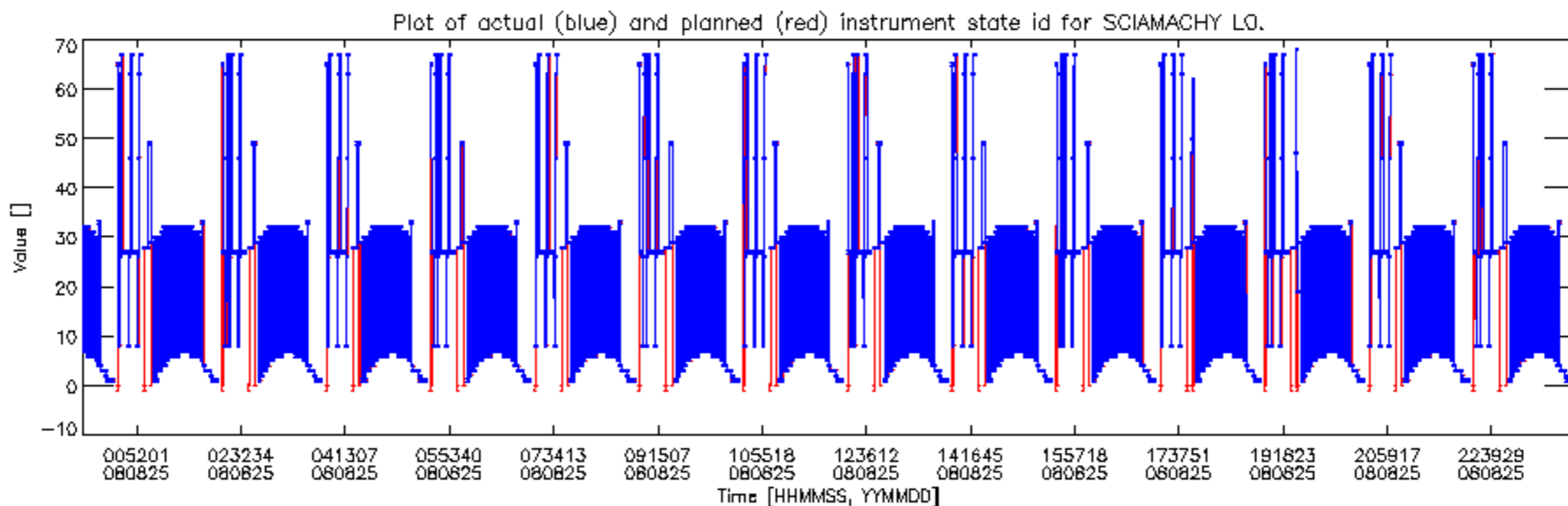












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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