

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	16OCT2008 05:00:37
Data source version	KSPT_L0/4303-N
Processing scope for products	12OCT2008 00:00:00 to 13OCT2008 00:00:00
Start time of first product within scope	11OCT2008 22:50:25
Stop time of last product within scope	13OCT2008 00:00:59
Total number of level 0 products	17
Number of level 0 products with errors	2

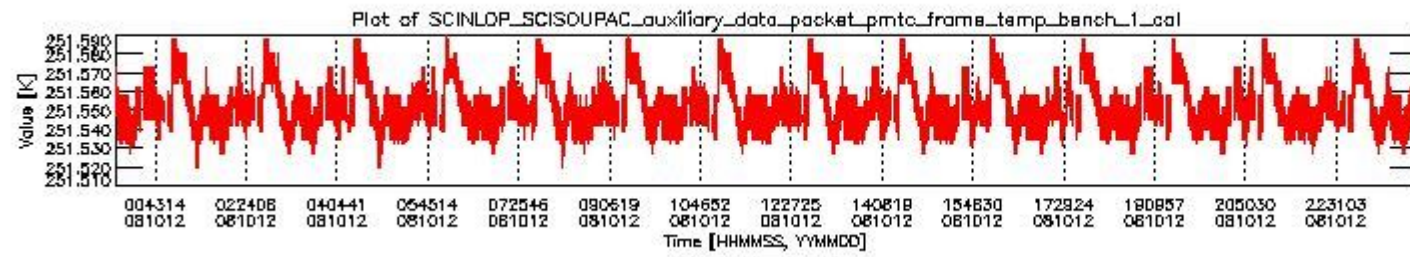
0.1.2 Summary per product

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

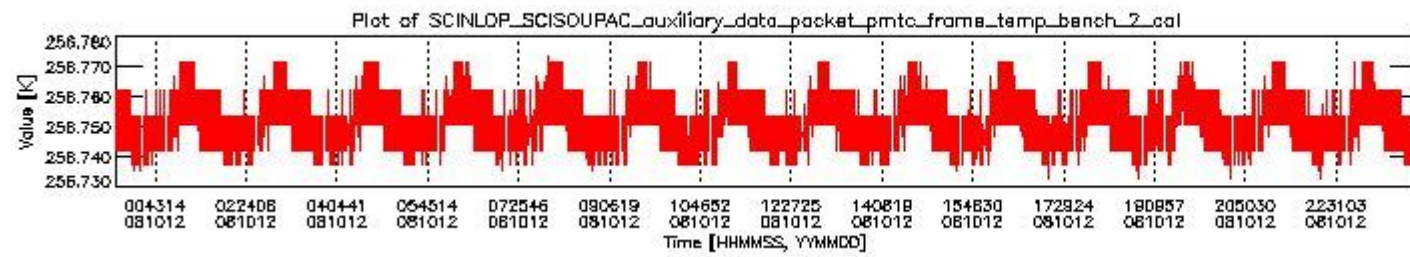
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081011_225025_000060802072_00473_34595_7688.N1	11OCT2008 22:50:25	12OCT2008 00:31:45	0	0	0	0	0
1	SCI_NL__OPNPDE20081012_003101_000057692072_00474_34596_7689.N1	12OCT2008 00:31:01	12OCT2008 02:07:10	0	0	0	0	0
2	SCI_NL__OPNPDE20081012_020602_000049522072_00475_34597_7690.N1	12OCT2008 02:06:02	12OCT2008 03:28:33	0	0	0	0	0
3	SCI_NL__OPNPDE20081012_032738_000057882072_00476_34598_7691.N1	12OCT2008 03:27:38	12OCT2008 05:04:05	0	0	0	0	0
4	SCI_NL__OPNPDE20081012_050405_000060922072_00477_34599_7692.N1	12OCT2008 05:04:05	12OCT2008 06:45:38	0	0	0	0	0
5	SCI_NL__OPNPDK20081012_064442_000040462072_00478_34600_9641.N1	12OCT2008 06:44:42	12OCT2008 07:52:07	0	0	0	0	0
6	SCI_NL__OPNPDK20081012_075059_000062852072_00479_34601_9642.N1	12OCT2008 07:50:59	12OCT2008 09:35:44	0	0	0	0	0
7	SCI_NL__OPNPDK20081012_093544_000059122072_00480_34602_9643.N1	12OCT2008 09:35:44	12OCT2008 11:14:16	0	0	0	0	0
8	SCI_NL__OPNPDK20081012_111320_000059682072_00481_34603_9644.N1	12OCT2008 11:13:20	12OCT2008 12:52:48	1	1	1	0	1
9	SCI_NL__OPNPDK20081012_125248_000059122072_00482_34604_9645.N1	12OCT2008 12:52:48	12OCT2008 14:31:20	0	0	0	0	0
10	SCI_NL__OPNPDK20081012_142928_000003612072_00483_34605_9646.N1	12OCT2008 14:29:28	12OCT2008 14:35:29	0	0	0	0	0
11	SCI_NL__OPNPDK20081012_143529_000056202072_00483_34605_9647.N1	12OCT2008 14:35:29	12OCT2008 16:09:09	0	0	0	0	0
12	SCI_NL__OPNPDK20081012_160813_000060162072_00484_34606_9648.N1	12OCT2008 16:08:13	12OCT2008 17:48:29	0	0	0	0	0
13	SCI_NL__OPNPDK20081012_174631_000060372072_00485_34607_9649.N1	12OCT2008 17:46:31	12OCT2008 19:27:08	0	0	0	0	0
14	SCI_NL__OPNPDK20081012_192611_000060932072_00486_34608_9650.N1	12OCT2008 19:26:11	12OCT2008 21:07:44	1	1	0	0	0
15	SCI_NL__OPNPDE20081012_210744_000042702072_00487_34609_7693.N1	12OCT2008 21:07:44	12OCT2008 22:18:55	0	0	0	0	0
16	SCI_NL__OPNPDE20081012_221855_000061242072_00487_34609_7694.N1	12OCT2008 22:18:55	13OCT2008 00:00:59	0	0	0	0	0

0.2 Product Quality Indicators

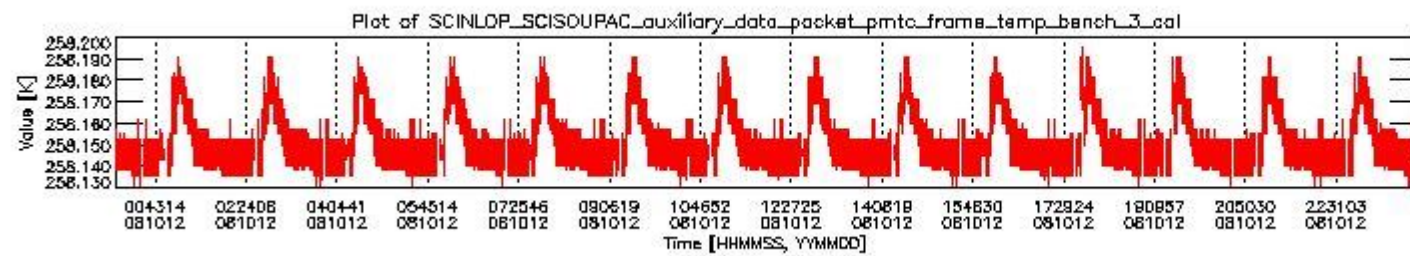
This section shows information about product quality, currently temperatures.



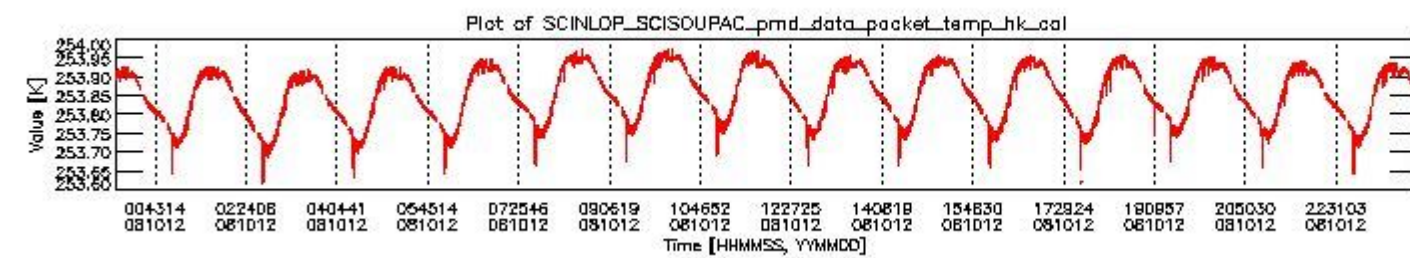
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081012_0.PNG



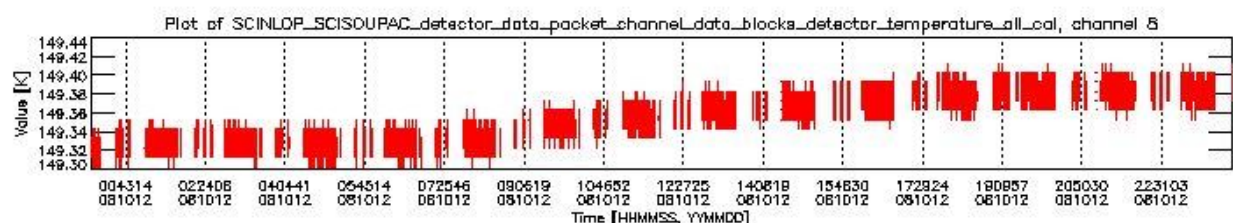
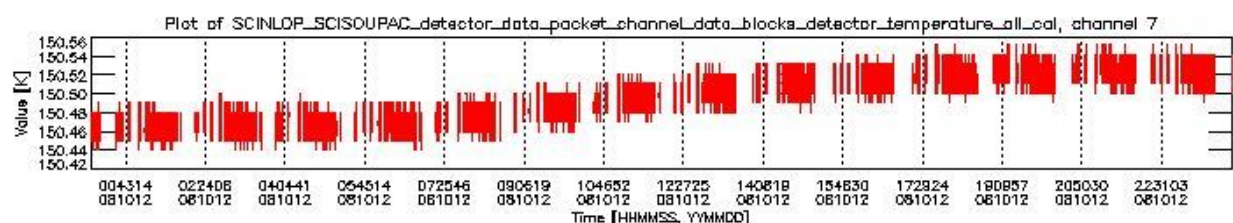
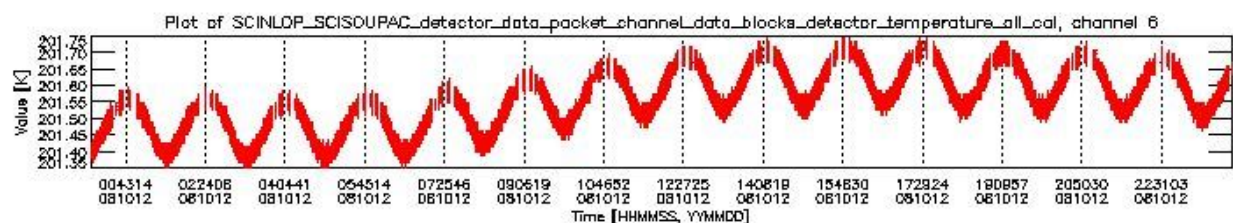
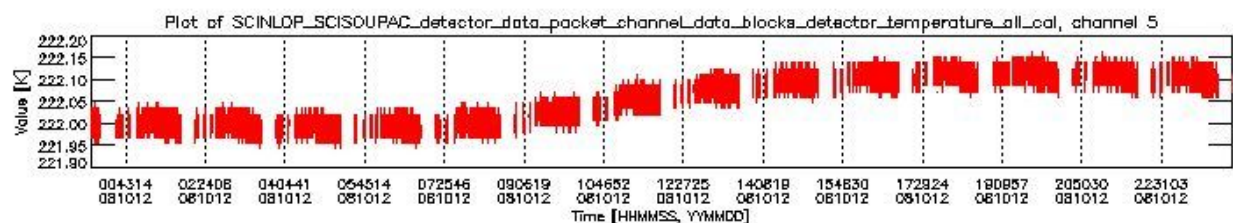
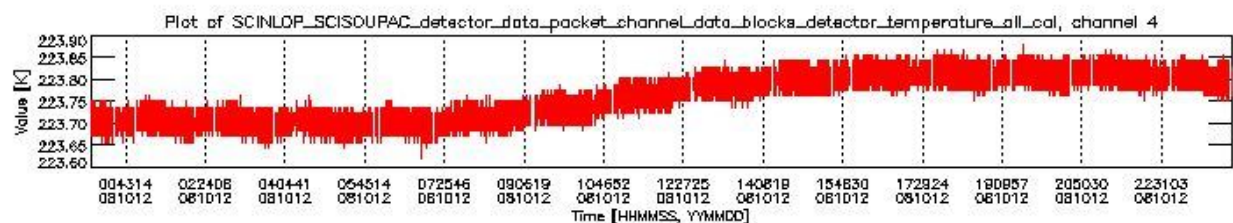
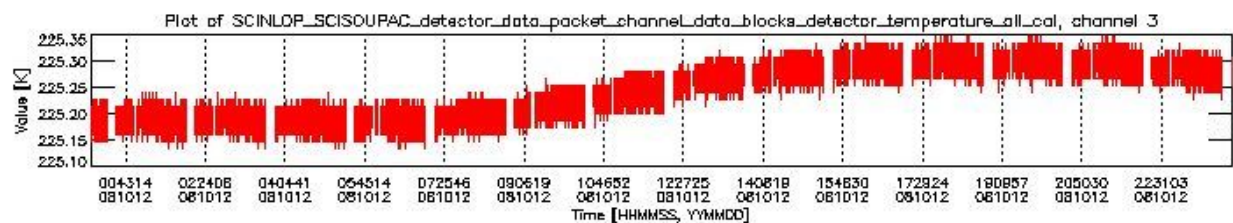
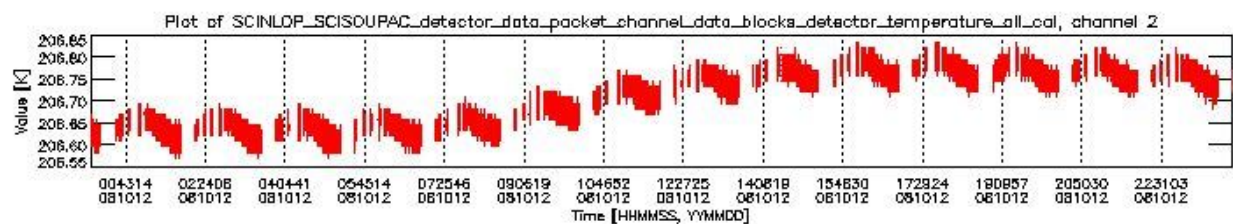
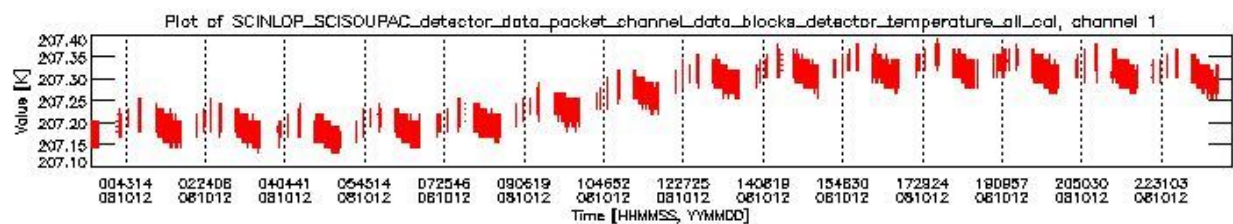
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081012_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081012_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081012_3.PNG

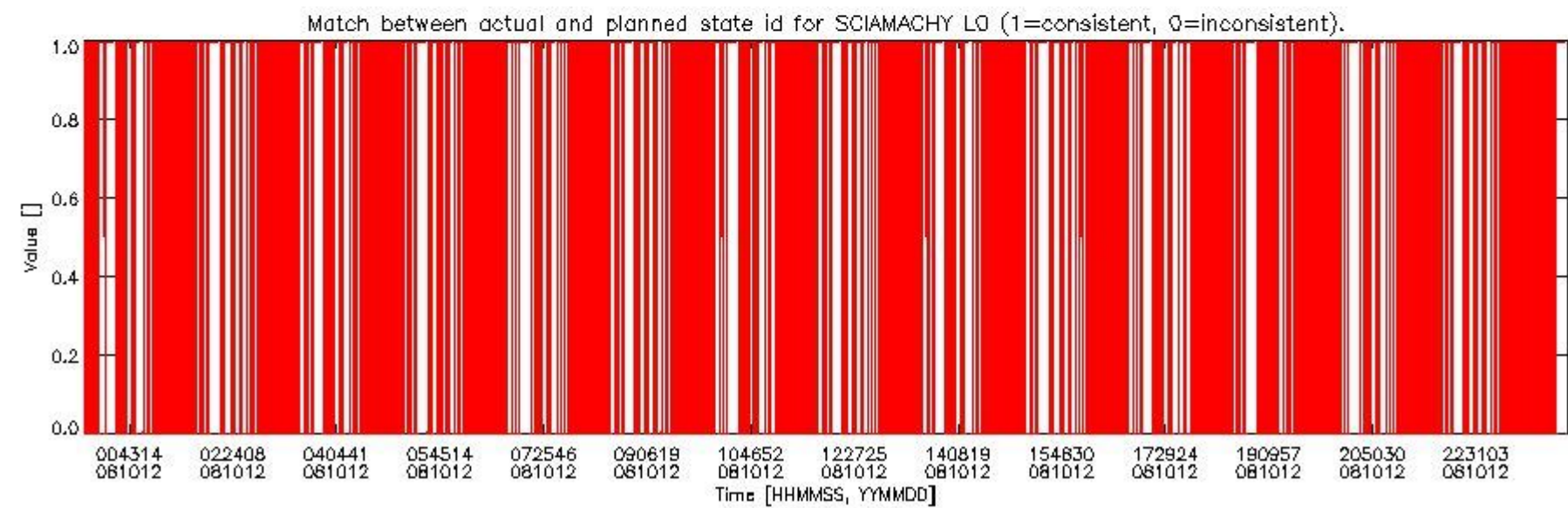
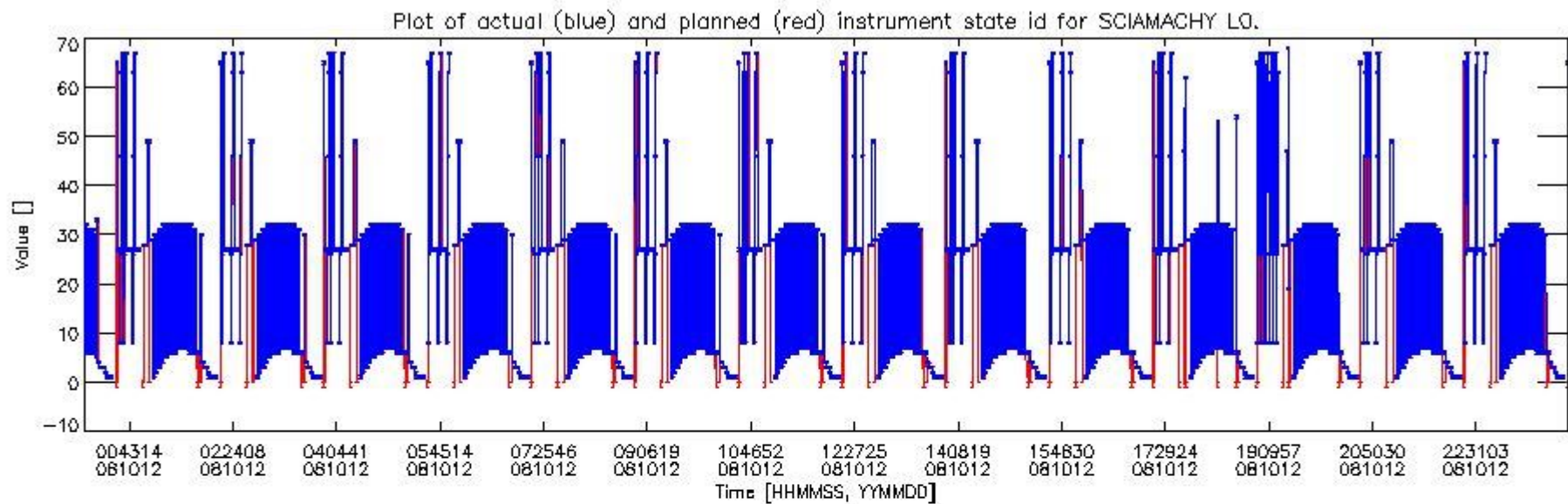


0.3 State monitoring

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: **42048**

#	Actual time	Actual value	Planned time	Planned value
0	12OCT2008 00:00:11.997762	6	12OCT2008 00:00:11.997762	32
1	12OCT2008 00:00:12.372775	6	12OCT2008 00:00:12.372775	32
2	12OCT2008 00:00:12.622784	6	12OCT2008 00:00:12.622784	32
3	12OCT2008 00:00:12.872753	6	12OCT2008 00:00:12.872753	32
4	12OCT2008 00:00:13.122761	6	12OCT2008 00:00:13.122761	32
5	12OCT2008 00:00:13.372770	6	12OCT2008 00:00:13.372770	32
6	12OCT2008 00:00:13.622779	6	12OCT2008 00:00:13.622779	32
7	12OCT2008 00:00:13.872747	6	12OCT2008 00:00:13.872747	32
8	12OCT2008 00:00:14.122756	6	12OCT2008 00:00:14.122756	32
9	12OCT2008 00:00:14.372765	6	12OCT2008 00:00:14.372765	32
10	12OCT2008 00:00:14.622773	6	12OCT2008 00:00:14.622773	32
11	12OCT2008 00:00:14.872782	6	12OCT2008 00:00:14.872782	32
12	12OCT2008 00:00:15.122750	6	12OCT2008 00:00:15.122750	32
13	12OCT2008 00:00:15.372759	6	12OCT2008 00:00:15.372759	32
14	12OCT2008 00:00:15.622768	6	12OCT2008 00:00:15.622768	32
15	12OCT2008 00:00:15.872777	6	12OCT2008 00:00:15.872777	32
16	12OCT2008 00:00:16.122745	6	12OCT2008 00:00:16.122745	32
17	12OCT2008 00:00:16.372754	6	12OCT2008 00:00:16.372754	32
18	12OCT2008 00:00:16.622762	6	12OCT2008 00:00:16.622762	32
19	12OCT2008 00:00:16.872771	6	12OCT2008 00:00:16.872771	32
...

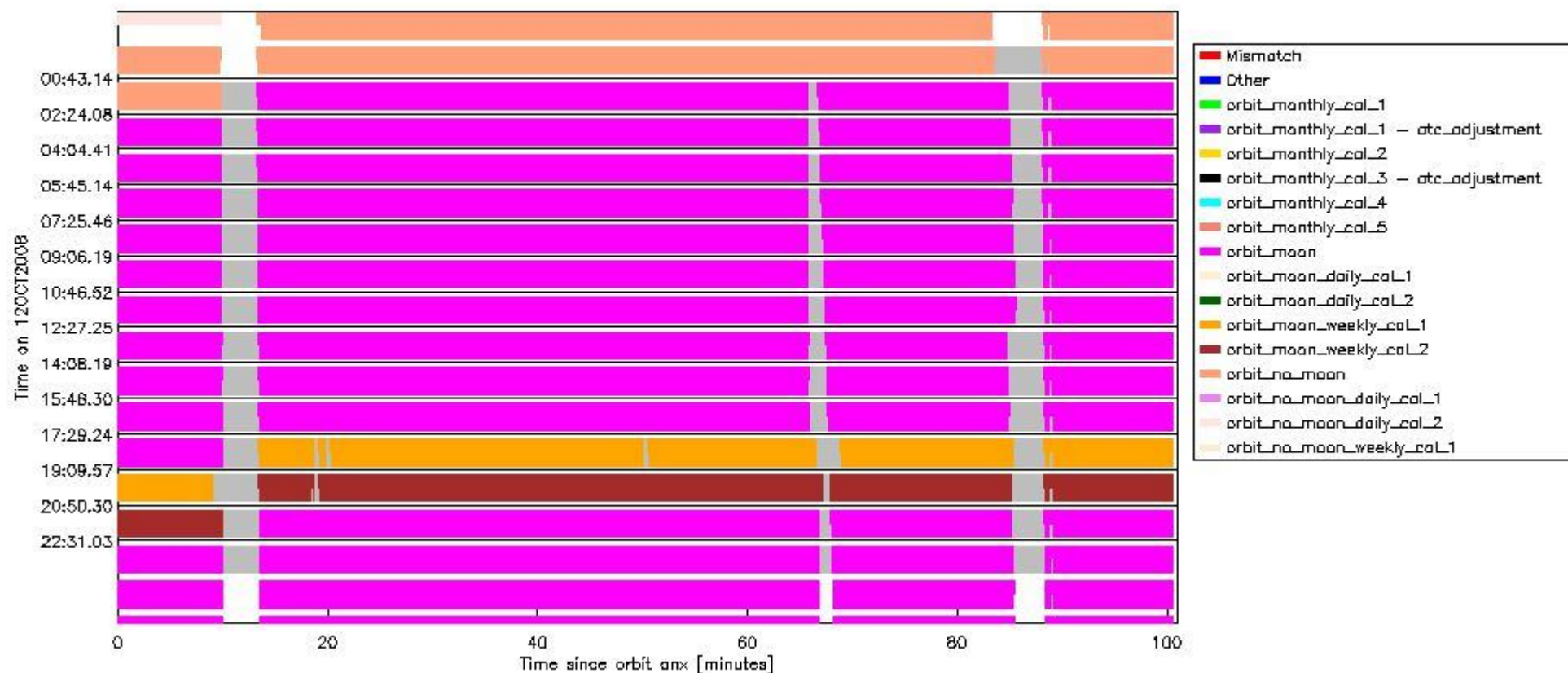


sciamachy_daily_report_level0_KSPT_L0_4303_N_20081012_5.PNG

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 12OCT2008.
 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_20081012_6.PNG

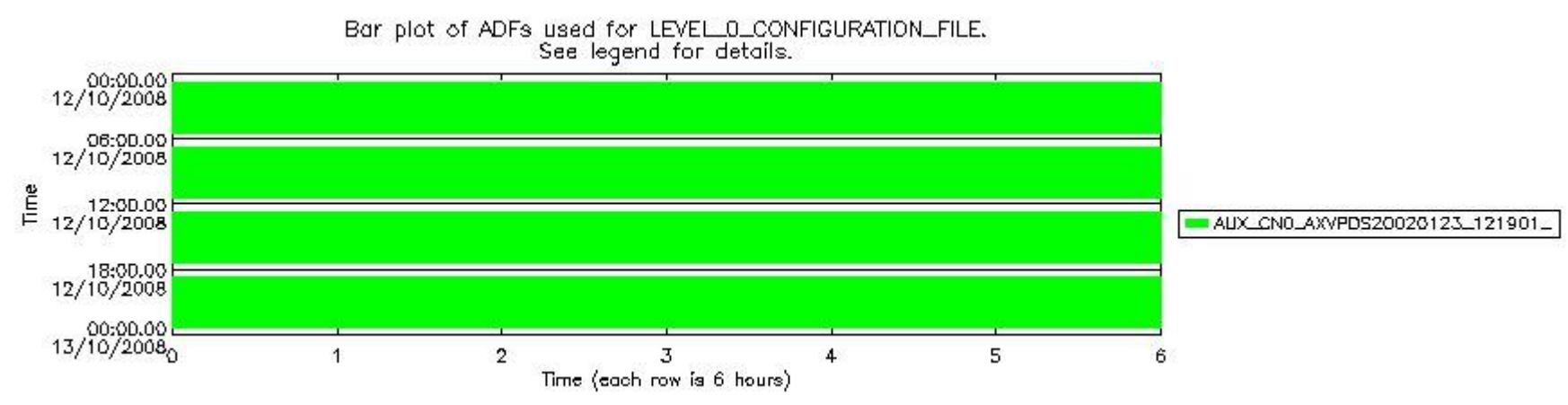
0.4 ADF monitoring

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

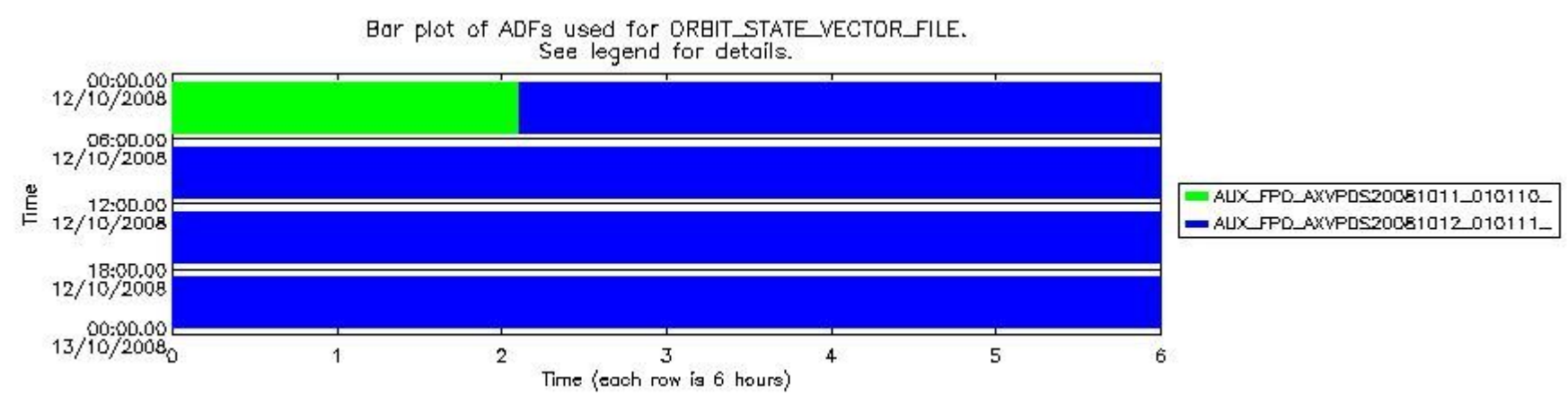
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

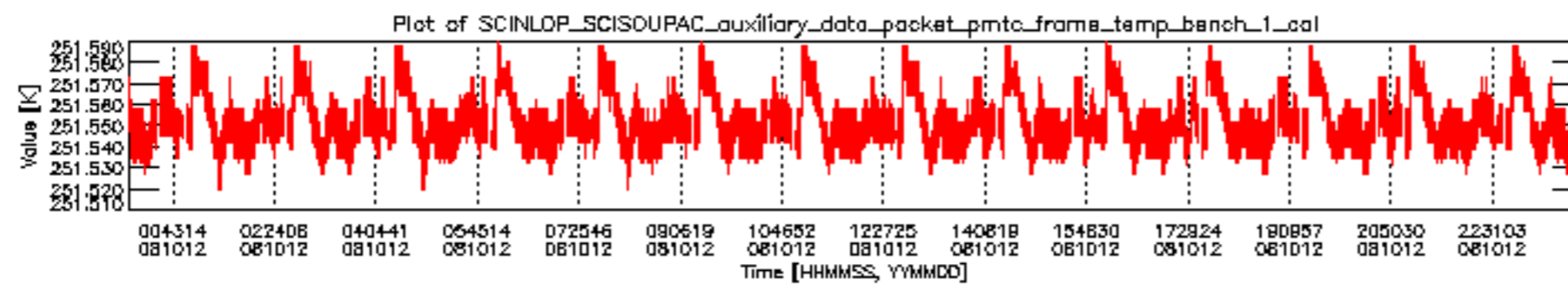
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20081011_010110_20081010_183233_20081020_213922
2	AUX_FPO_AXVPDS20081012_010111_20081011_194132_20081021_210745

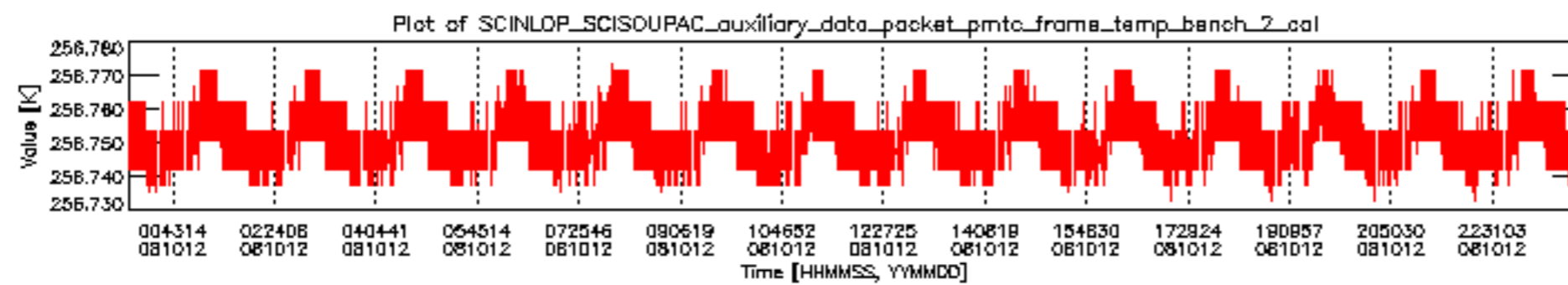


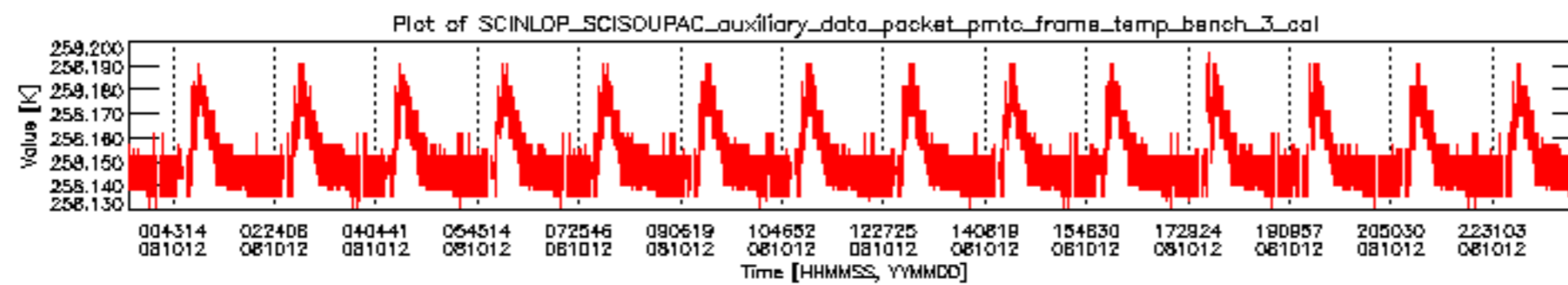
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081012_7.PNG

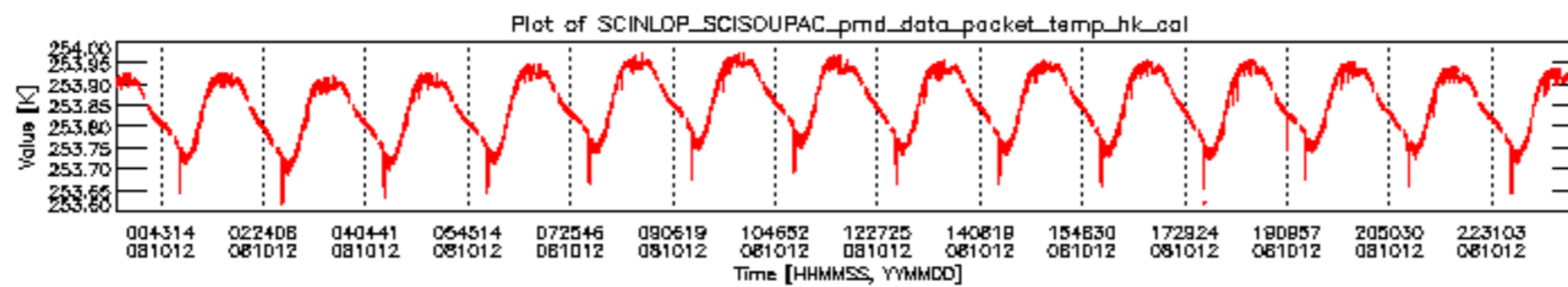


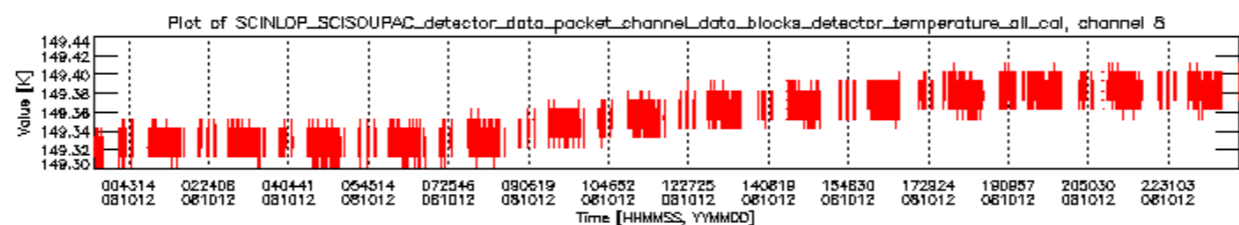
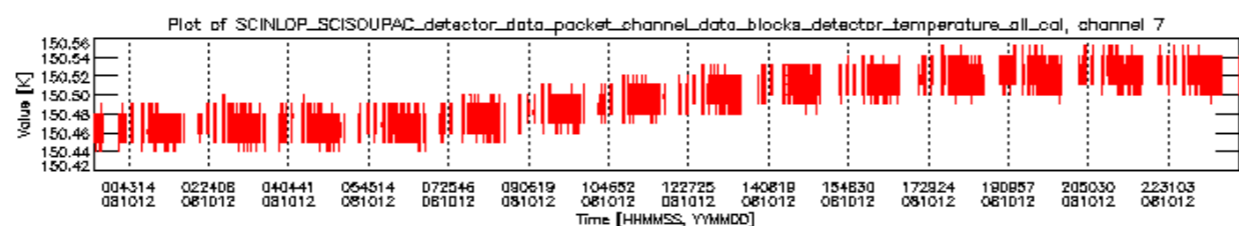
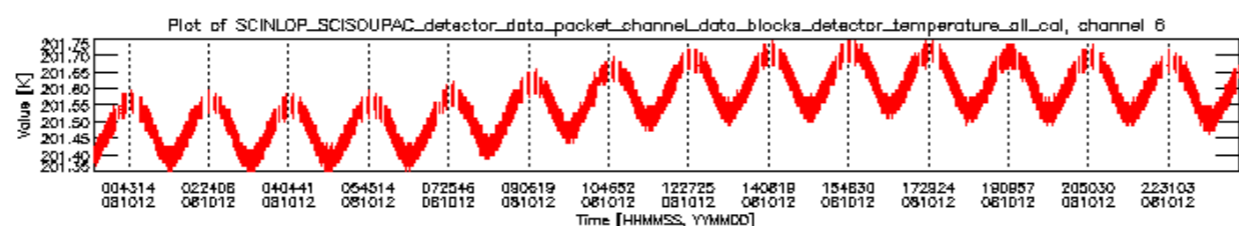
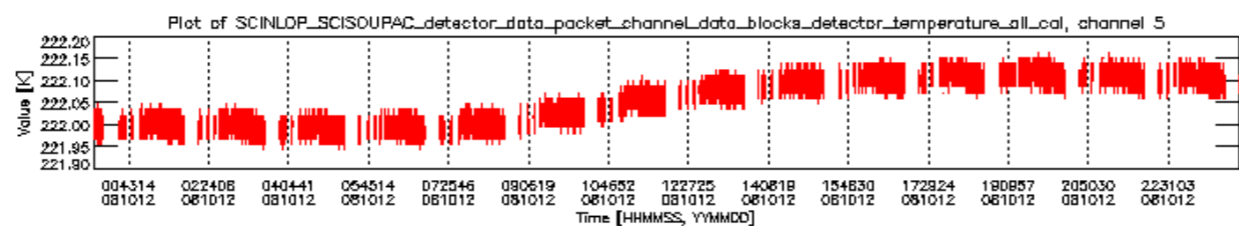
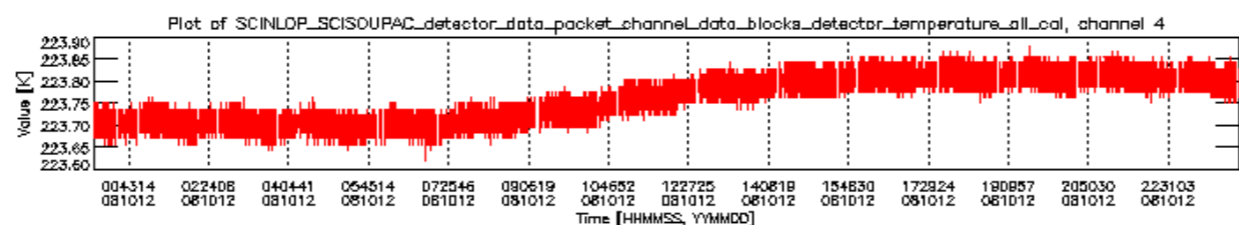
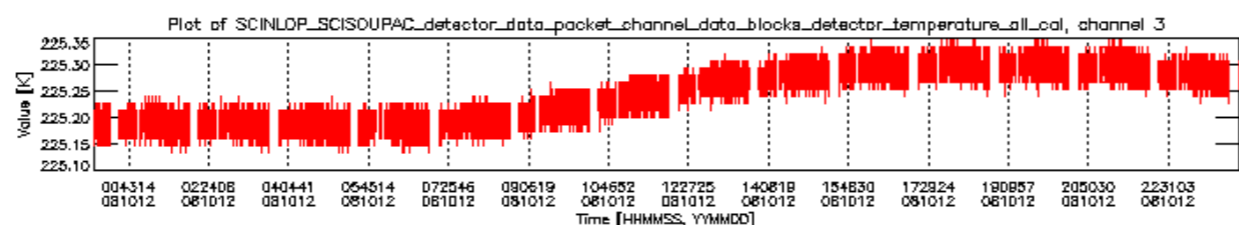
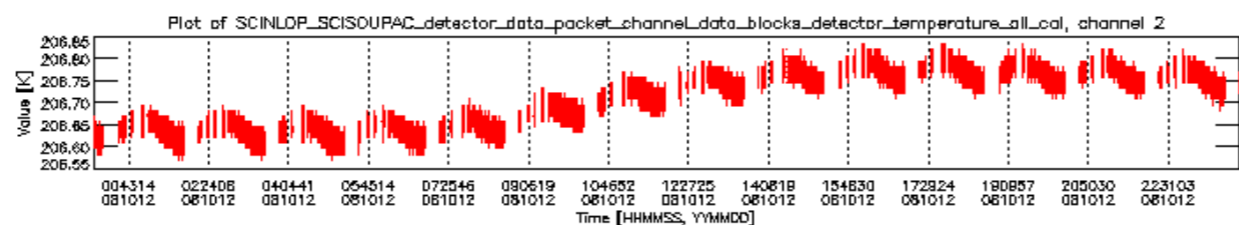
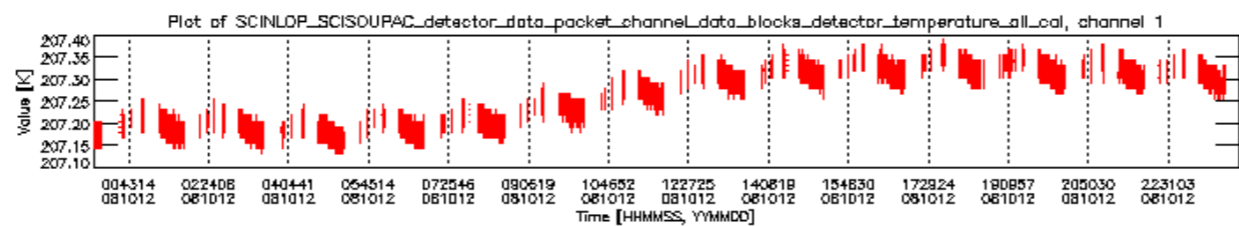
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081012_8.PNG

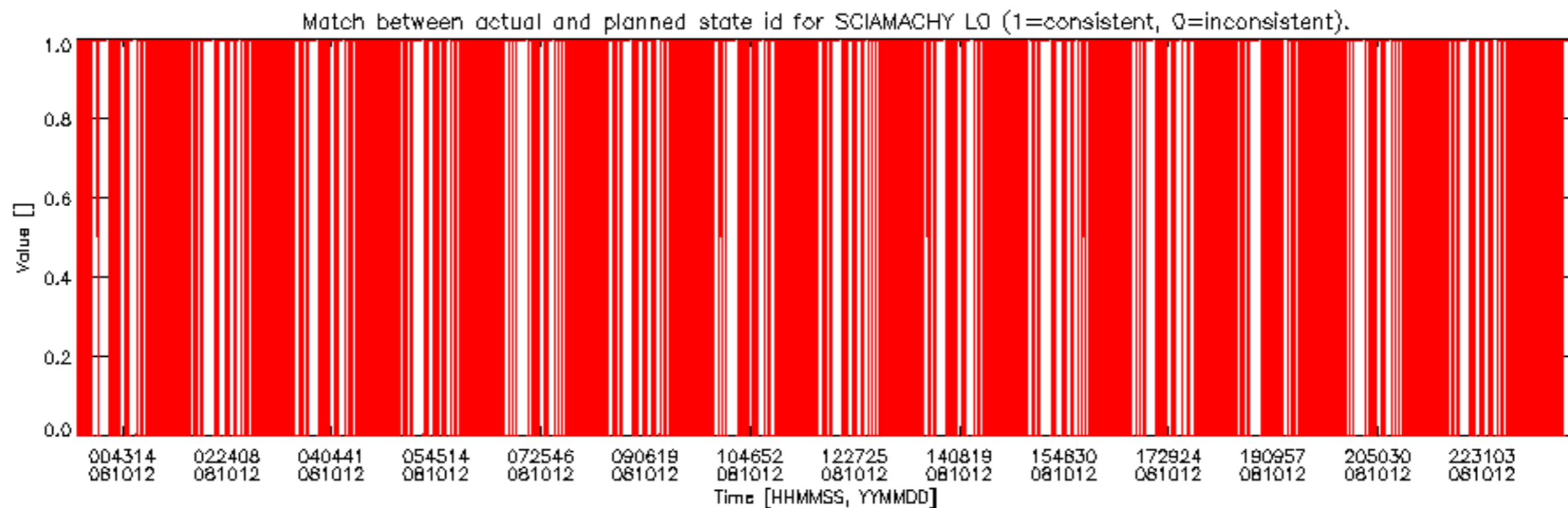
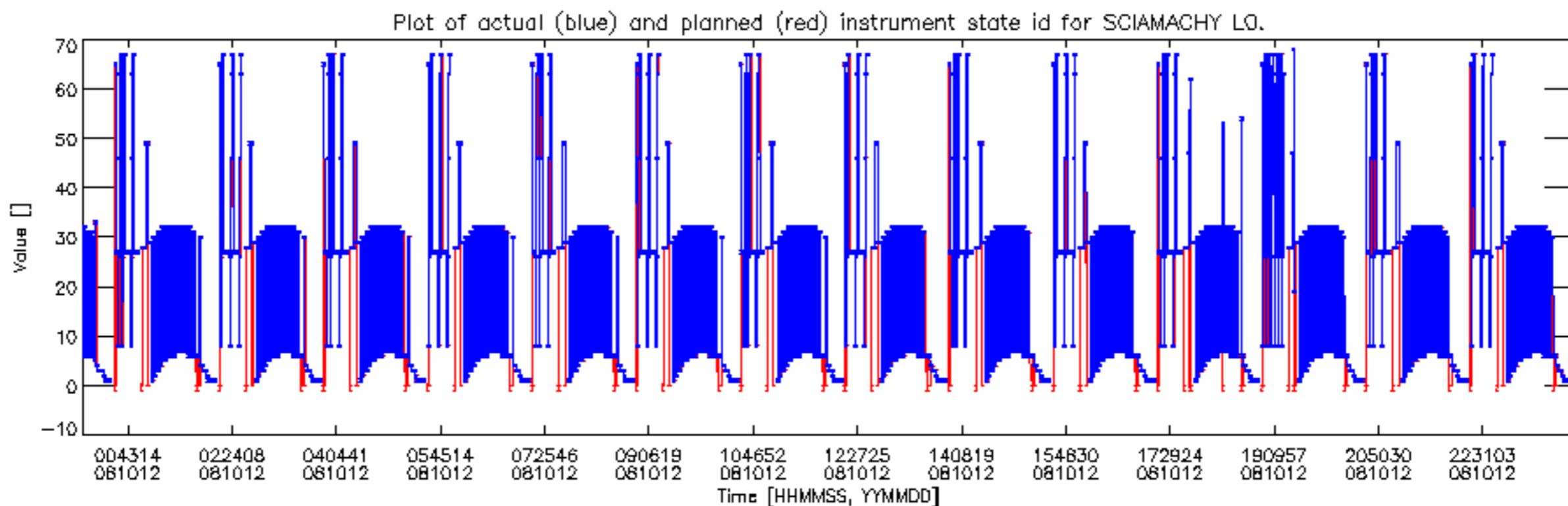












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 12OCT2008.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

