

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	10JUN2008 11:39:15
Data source version	KSPT_L0/4303-N
Processing scope for products	01JUN2008 00:00:00 to 02JUN2008 00:00:00
Start time of first product within scope	31MAY2008 22:30:10
Stop time of last product within scope	02JUN2008 01:18:58
Total number of level 0 products	17
Number of level 0 products with errors	3

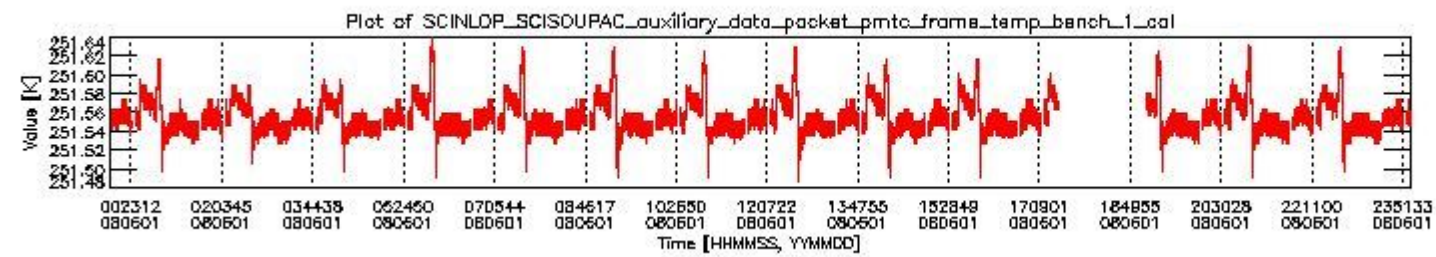
0.1.2 Summary per product

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

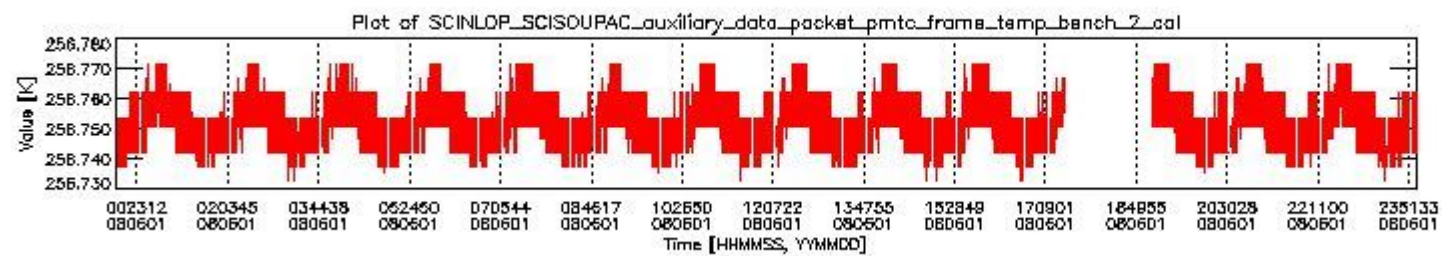
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080531_223010_000060672069_00072_32691_6877.N1	31MAY2008 22:30:10	01JUN2008 00:11:17	0	0	0	0	0
1	SCI_NL__OPNPDE20080601_000954_000060442069_00073_32692_6878.N1	01JUN2008 00:09:54	01JUN2008 01:50:37	0	0	0	0	0
2	SCI_NL__OPNPDE20080601_014909_000044932069_00074_32693_6879.N1	01JUN2008 01:49:09	01JUN2008 03:04:02	0	0	0	0	0
3	SCI_NL__OPNPDE20080601_030254_000060922069_00075_32694_6880.N1	01JUN2008 03:02:54	01JUN2008 04:44:25	0	0	0	0	0
4	SCI_NL__OPNPDE20080601_044425_000061042069_00076_32695_6881.N1	01JUN2008 04:44:25	01JUN2008 06:26:10	0	0	0	0	0
5	SCI_NL__OPNPDK20080601_062514_000041572069_00077_32696_8367.N1	01JUN2008 06:25:14	01JUN2008 07:34:31	0	0	0	0	0
6	SCI_NL__OPNPDK20080601_073335_000061602069_00078_32697_8368.N1	01JUN2008 07:33:35	01JUN2008 09:16:15	1	1	0	0	0
7	SCI_NL__OPNPDK20080601_091615_000059112069_00079_32698_8369.N1	01JUN2008 09:16:15	01JUN2008 10:54:46	1	0	1	0	0
8	SCI_NL__OPNPDK20080601_105338_000060482069_00080_32699_8370.N1	01JUN2008 10:53:38	01JUN2008 12:34:26	0	0	0	0	0
9	SCI_NL__OPNPDK20080601_123317_000060362069_00081_32700_8371.N1	01JUN2008 12:33:17	01JUN2008 14:13:53	0	0	0	0	0
10	SCI_NL__OPNPDK20080601_141245_000058552069_00082_32701_8372.N1	01JUN2008 14:12:45	01JUN2008 15:50:20	0	0	0	0	0
11	SCI_NL__OPNPDK20080601_155020_000059262069_00083_32702_8373.N1	01JUN2008 15:50:20	01JUN2008 17:29:06	0	0	0	0	0
12	SCI_NL__OPNPDK20080601_172758_000059802069_00084_32703_8374.N1	01JUN2008 17:27:58	01JUN2008 19:07:38	1	1	0	0	0
13	SCI_NL__OPNPDK20080601_190533_000060772069_00085_32704_8375.N1	01JUN2008 19:05:33	01JUN2008 20:46:50	0	0	0	0	0
14	SCI_NL__OPNPDE20080601_204446_000044252069_00086_32705_6882.N1	01JUN2008 20:44:46	01JUN2008 21:58:31	0	0	0	0	0
15	SCI_NL__OPNPDE20080601_215746_000061552069_00086_32705_6883.N1	01JUN2008 21:57:46	01JUN2008 23:40:22	0	0	0	0	0
16	SCI_NL__OPNPDE20080601_233814_000060442069_00087_32706_6884.N1	01JUN2008 23:38:14	02JUN2008 01:18:58	0	0	0	0	0

0.2 Product Quality Indicators

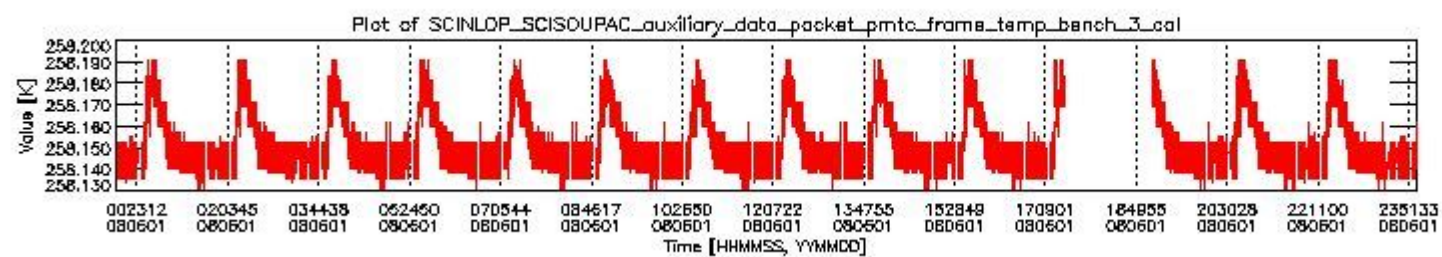
This section shows information about product quality, currently temperatures.



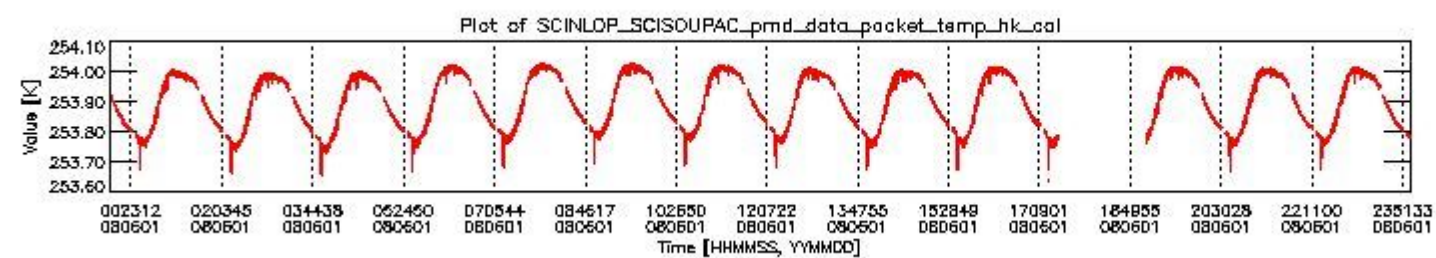
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080601_0.PNG



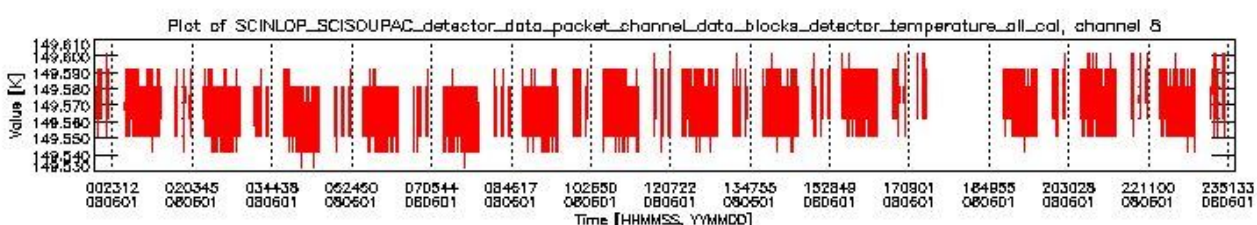
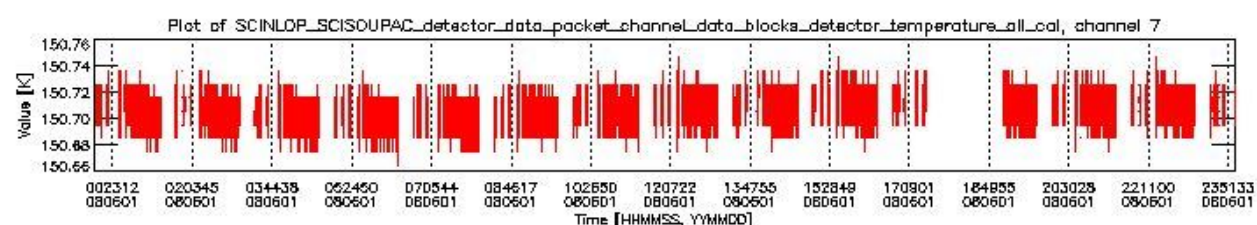
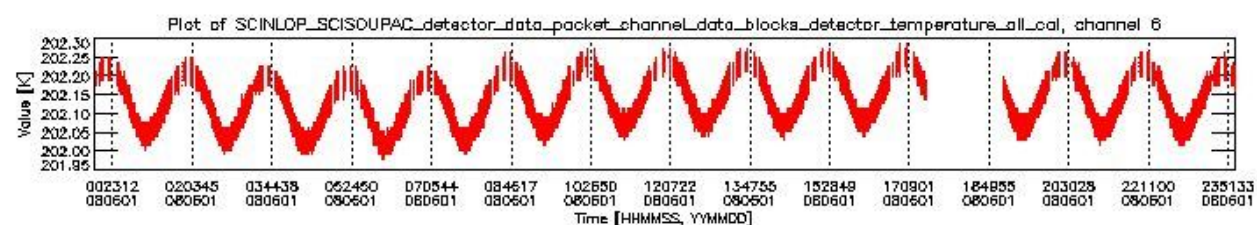
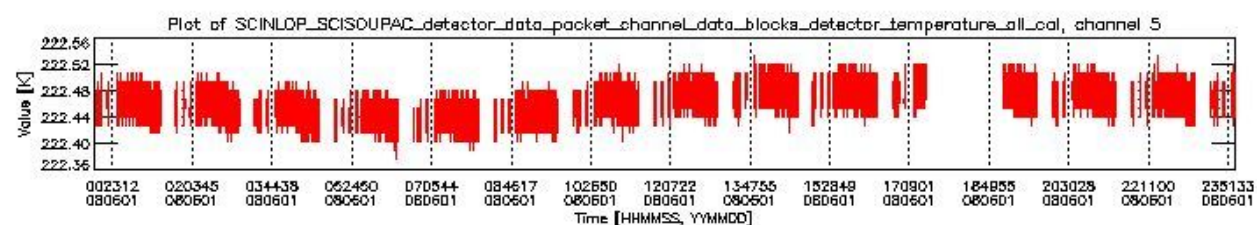
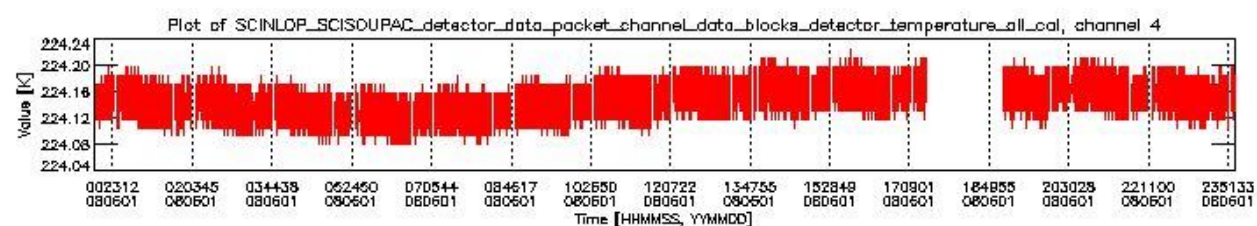
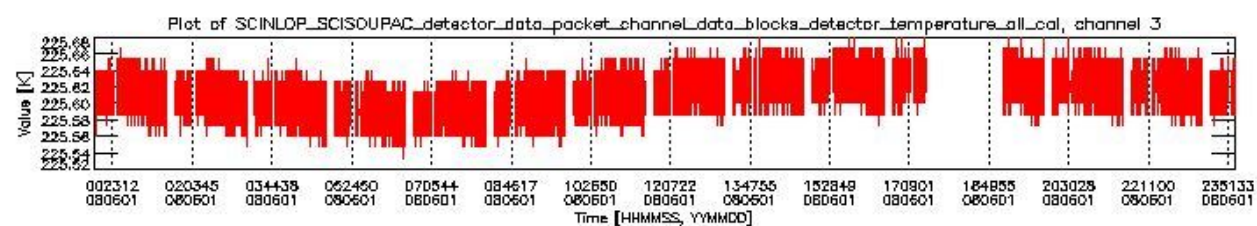
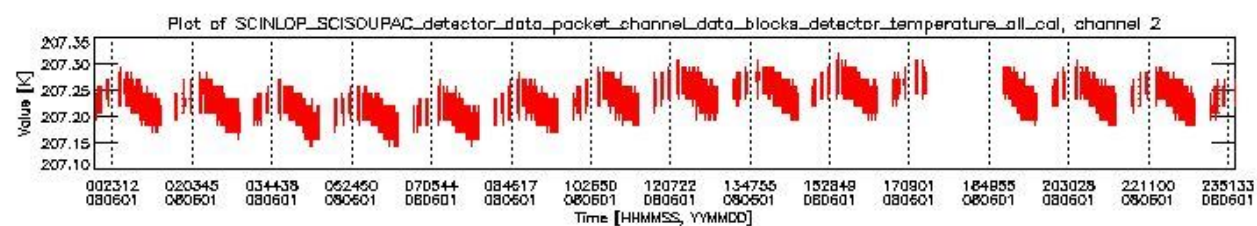
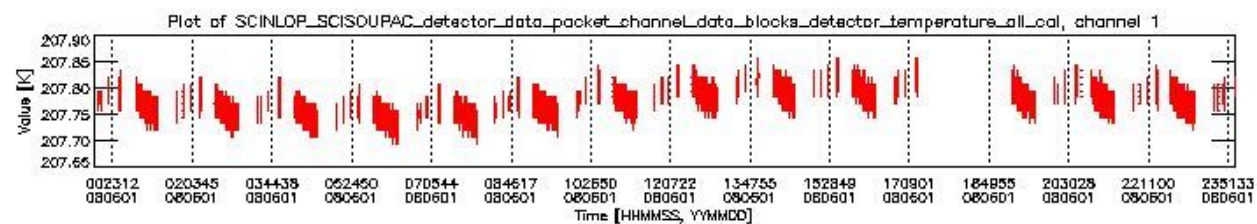
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080601_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080601_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080601_3.PNG

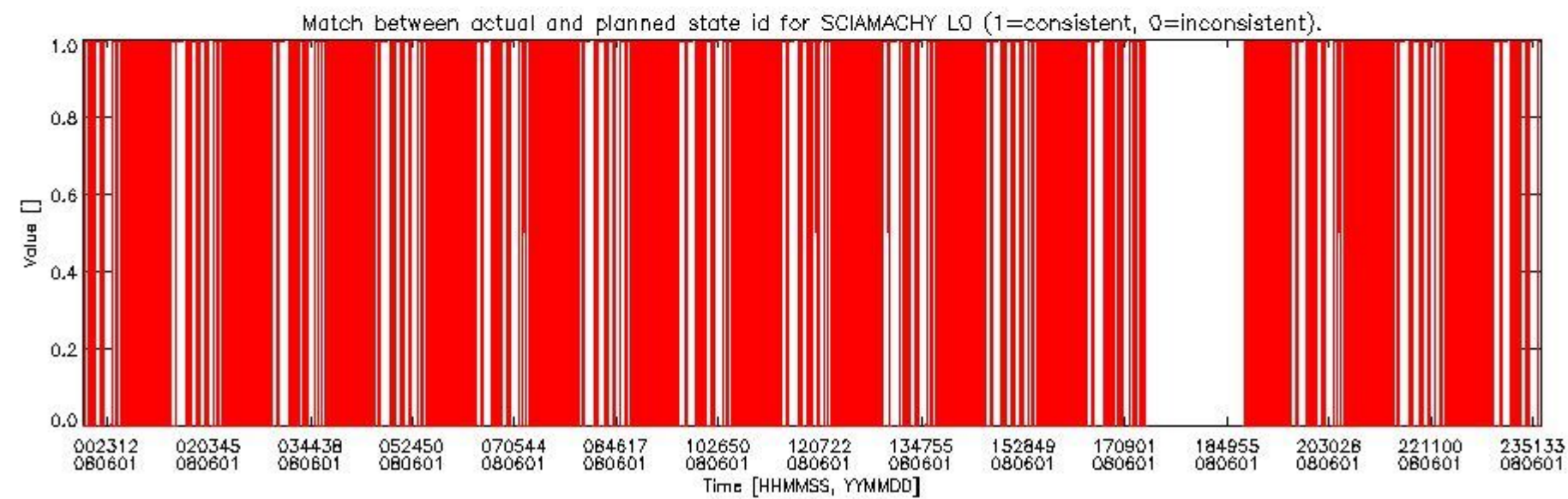
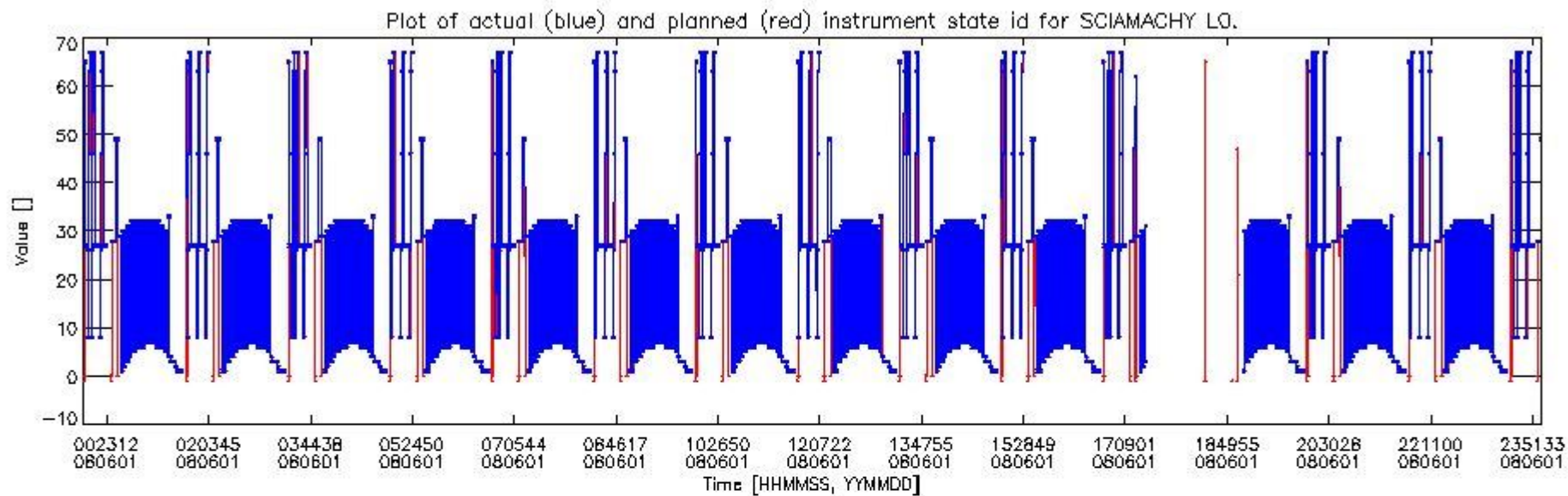


0.3 State monitoring

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: **33725**

#	Actual time	Actual value	Planned time	Planned value
0	01JUN2008 00:01:26.144413	65	01JUN2008 00:01:26.144413	0
1	01JUN2008 00:01:26.769435	65	01JUN2008 00:01:26.769435	0
2	01JUN2008 00:01:27.269412	65	01JUN2008 00:01:27.269412	0
3	01JUN2008 00:01:27.769429	65	01JUN2008 00:01:27.769429	0
4	01JUN2008 00:01:28.269407	65	01JUN2008 00:01:28.269407	0
5	01JUN2008 00:01:28.769424	65	01JUN2008 00:01:28.769424	0
6	01JUN2008 00:01:29.269401	65	01JUN2008 00:01:29.269401	0
7	01JUN2008 00:01:29.769419	65	01JUN2008 00:01:29.769419	0
8	01JUN2008 00:01:30.269436	65	01JUN2008 00:01:30.269436	0
9	01JUN2008 00:01:30.769413	65	01JUN2008 00:01:30.769413	0
10	01JUN2008 00:01:31.144426	65	01JUN2008 00:01:31.144426	0
11	01JUN2008 00:01:31.269431	65	01JUN2008 00:01:31.269431	0
12	01JUN2008 00:01:31.769408	65	01JUN2008 00:01:31.769408	0
13	01JUN2008 00:02:09.894407	27	01JUN2008 00:02:09.894407	0
14	01JUN2008 00:02:10.894402	27	01JUN2008 00:02:10.894402	0
15	01JUN2008 00:02:11.831914	27	01JUN2008 00:02:11.831914	0
16	01JUN2008 00:02:12.581940	27	01JUN2008 00:02:12.581940	0
17	01JUN2008 00:02:13.519413	27	01JUN2008 00:02:13.519413	0
18	01JUN2008 00:02:14.269439	27	01JUN2008 00:02:14.269439	0
19	01JUN2008 00:02:14.894420	27	01JUN2008 00:02:14.894420	0

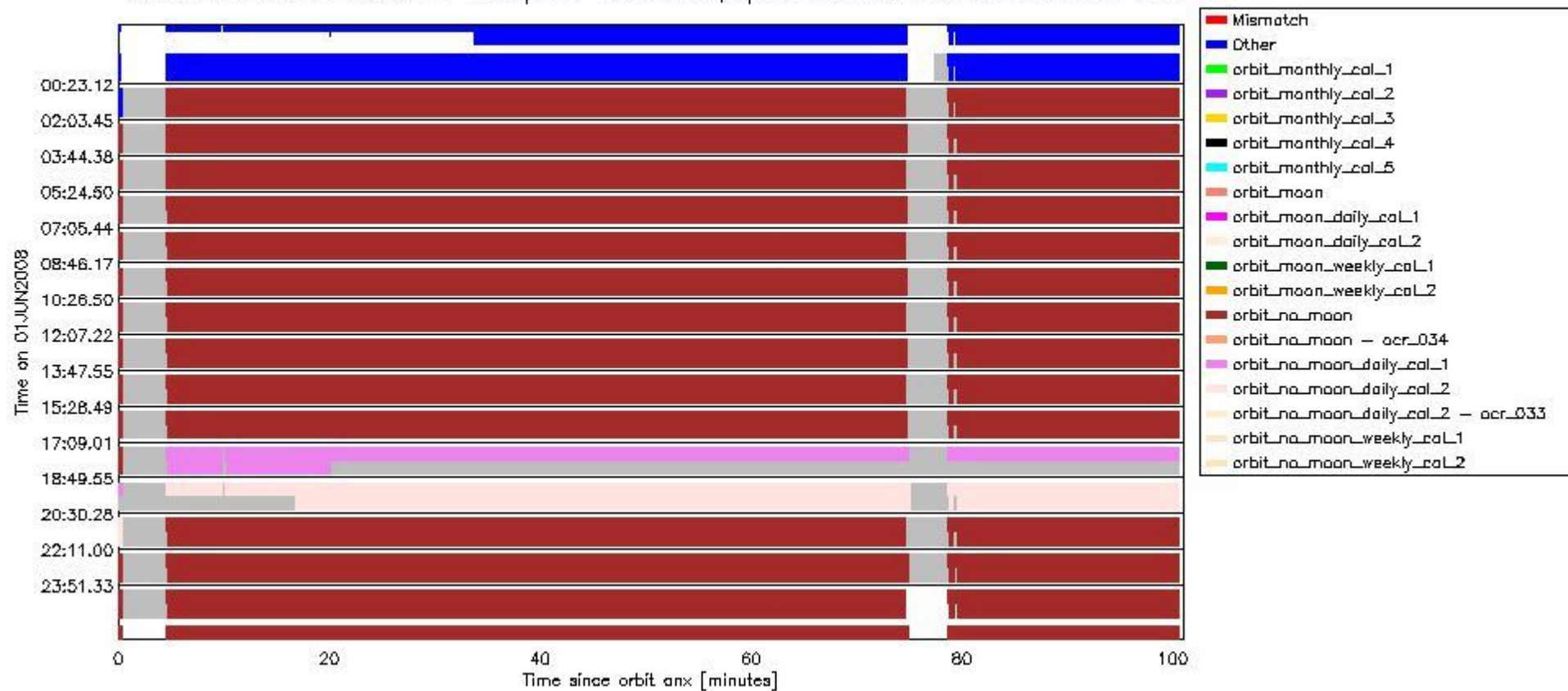


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080601_5.PNG

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 01JUN2008.
 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_20080601_6.PNG

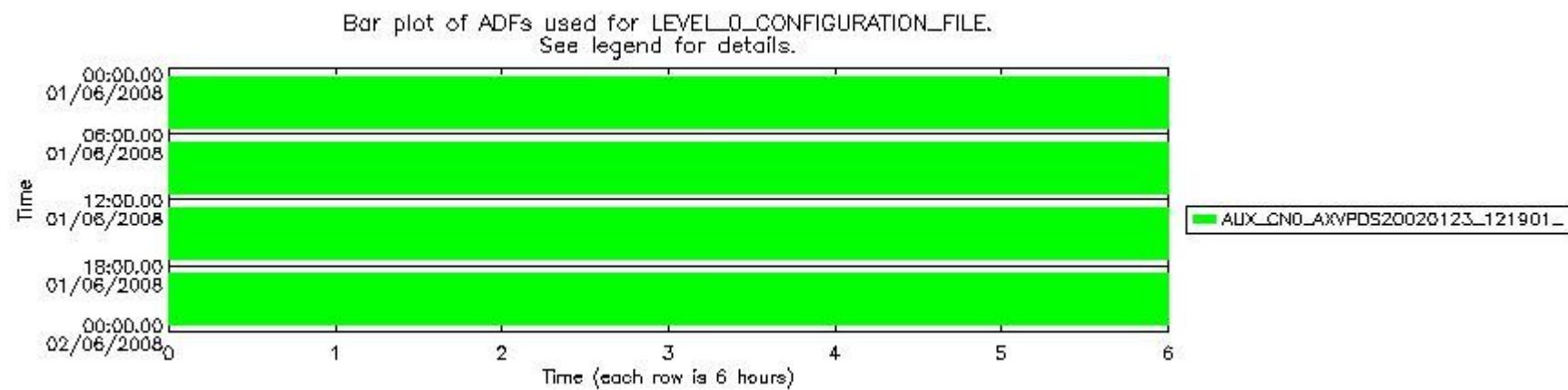
0.4 ADF monitoring

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

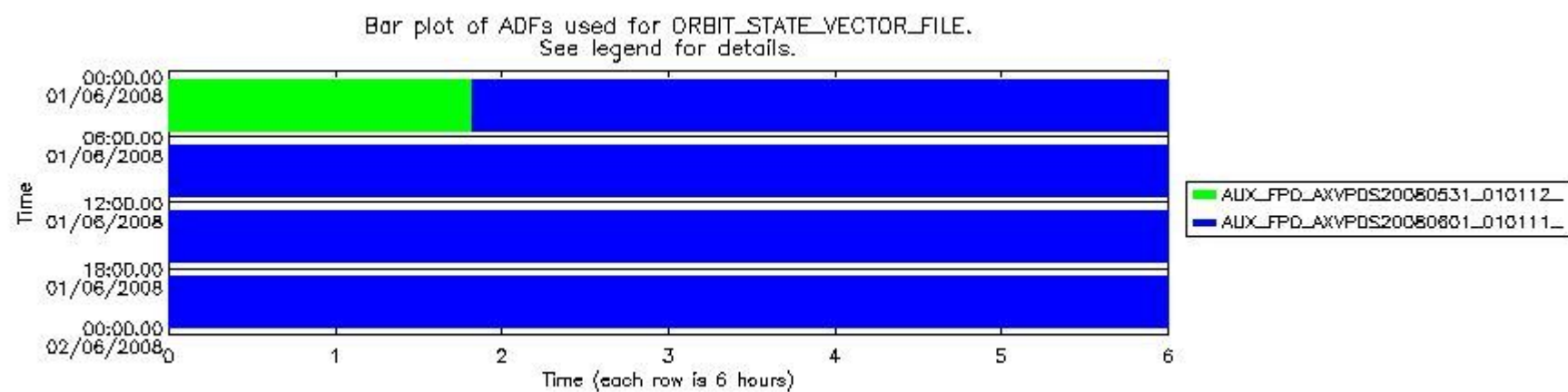
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

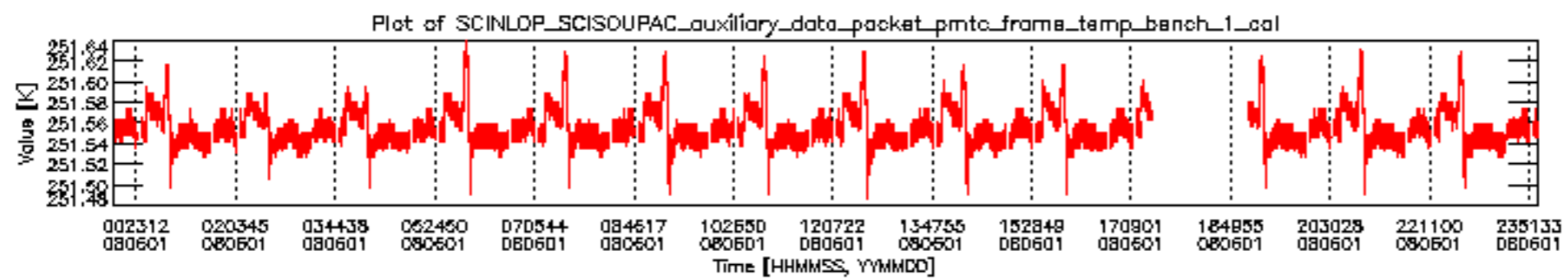
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080531_010112_20080530_195302_20080609_211916
2	AUX_FPO_AXVPDS20080601_010111_20080531_192125_20080610_204739

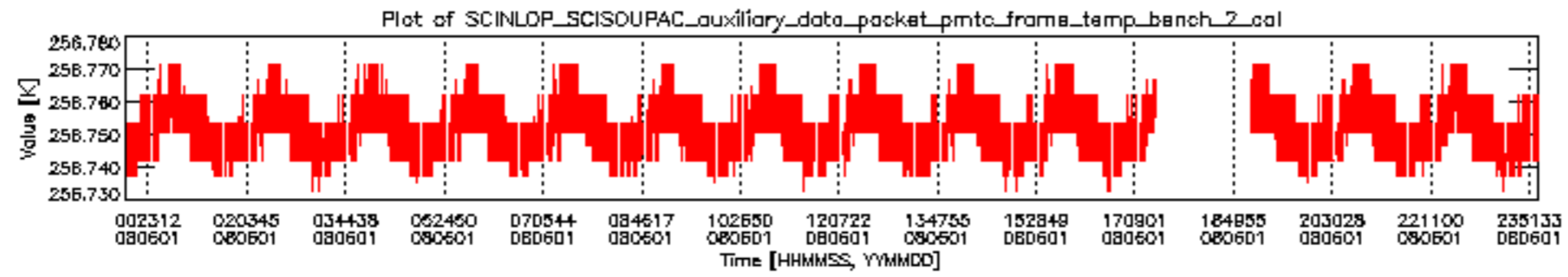


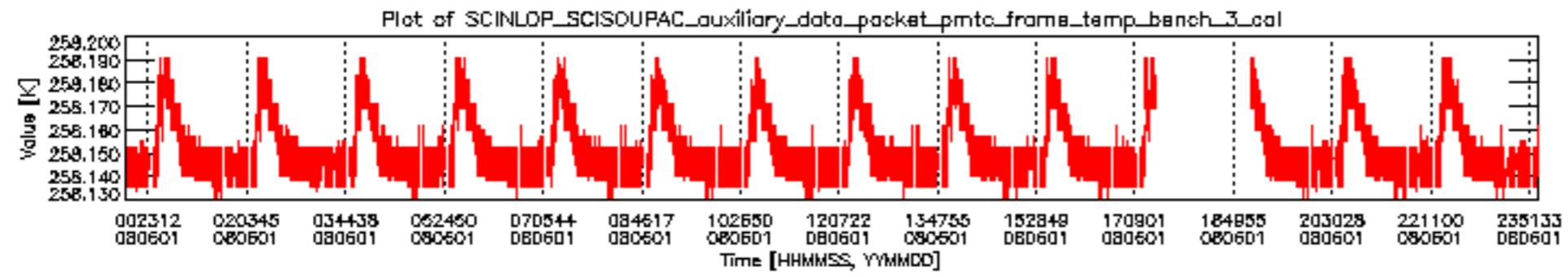
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080601_7.PNG

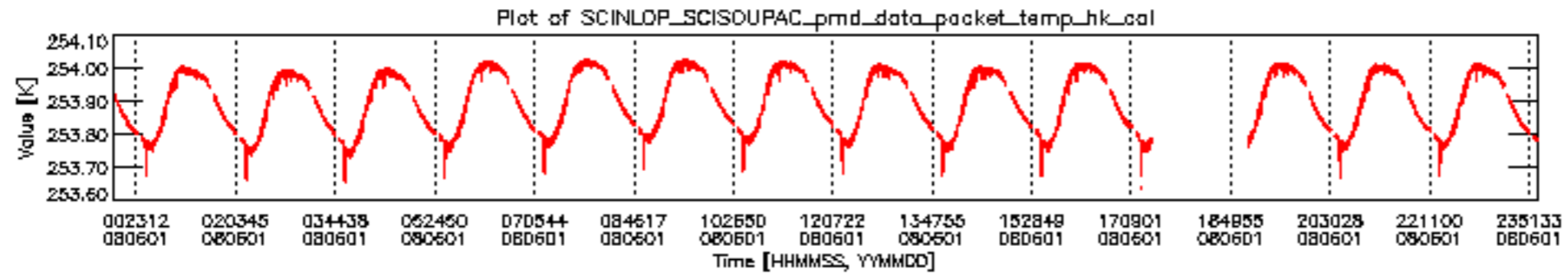


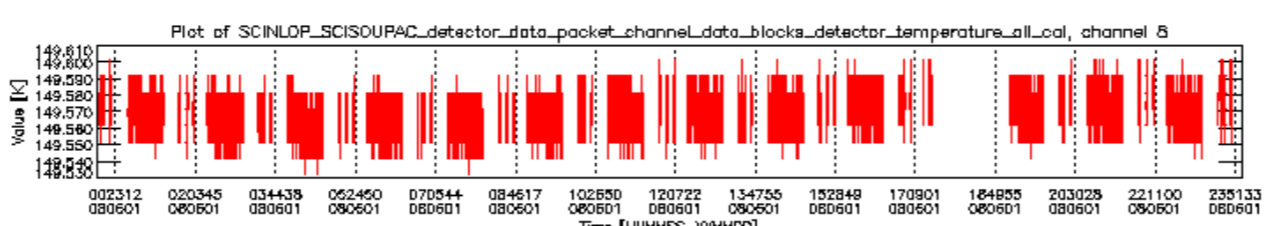
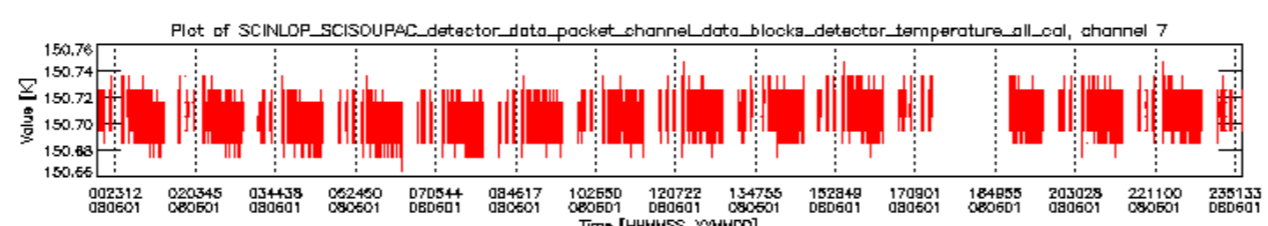
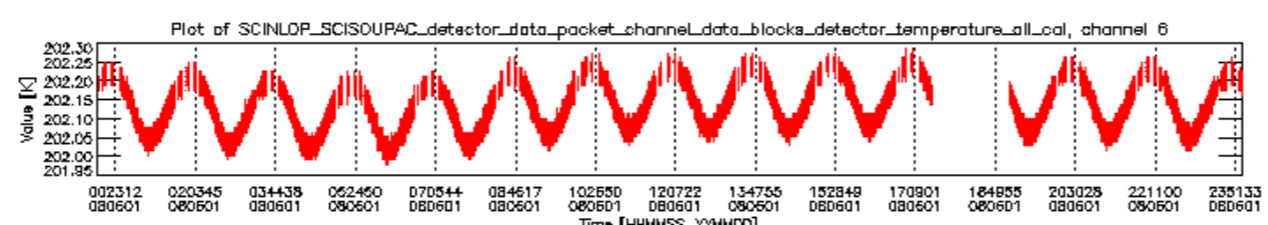
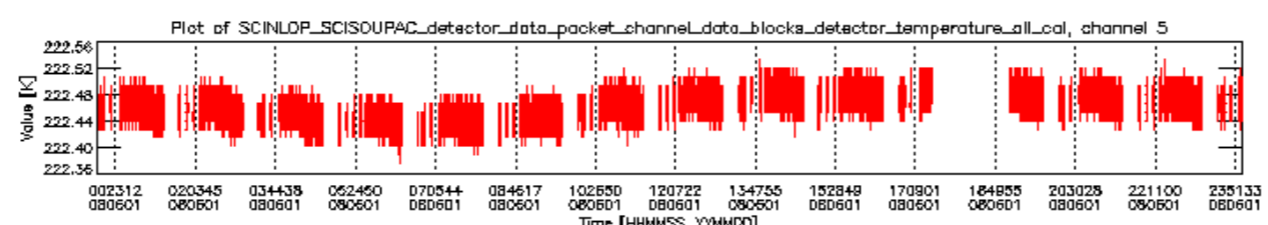
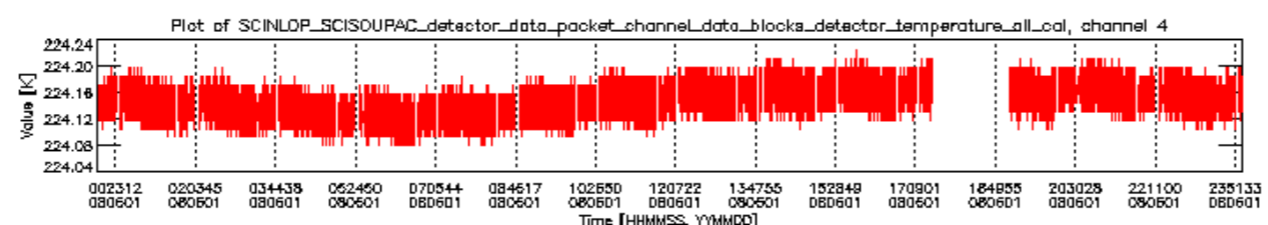
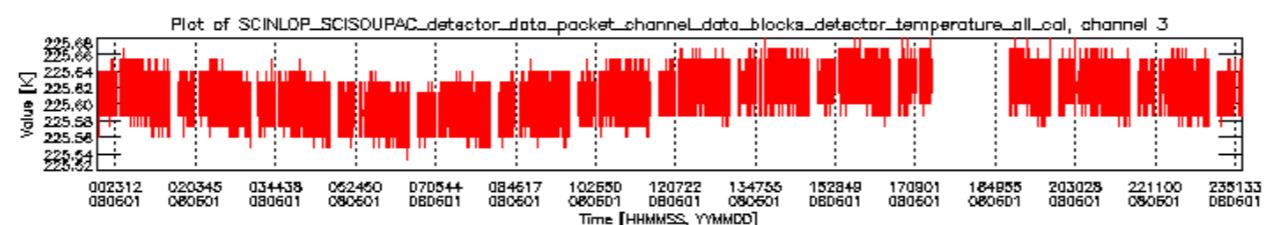
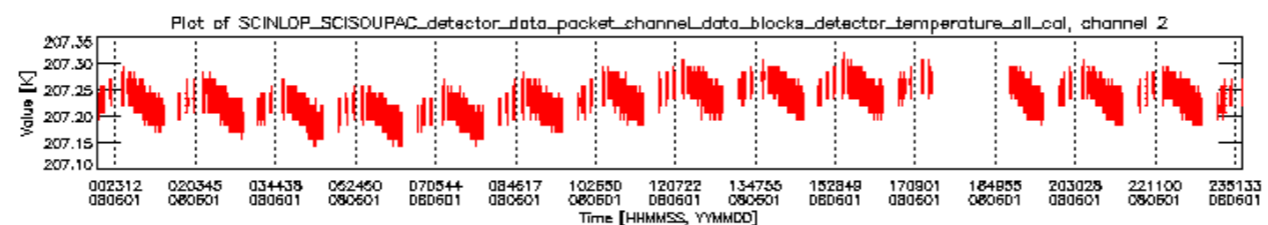
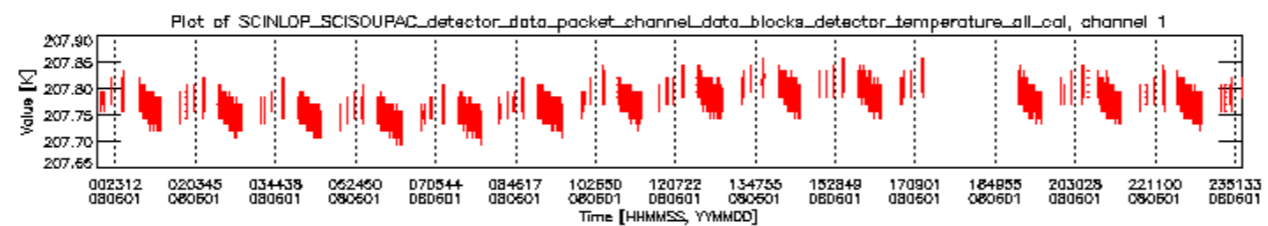
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080601_8.PNG

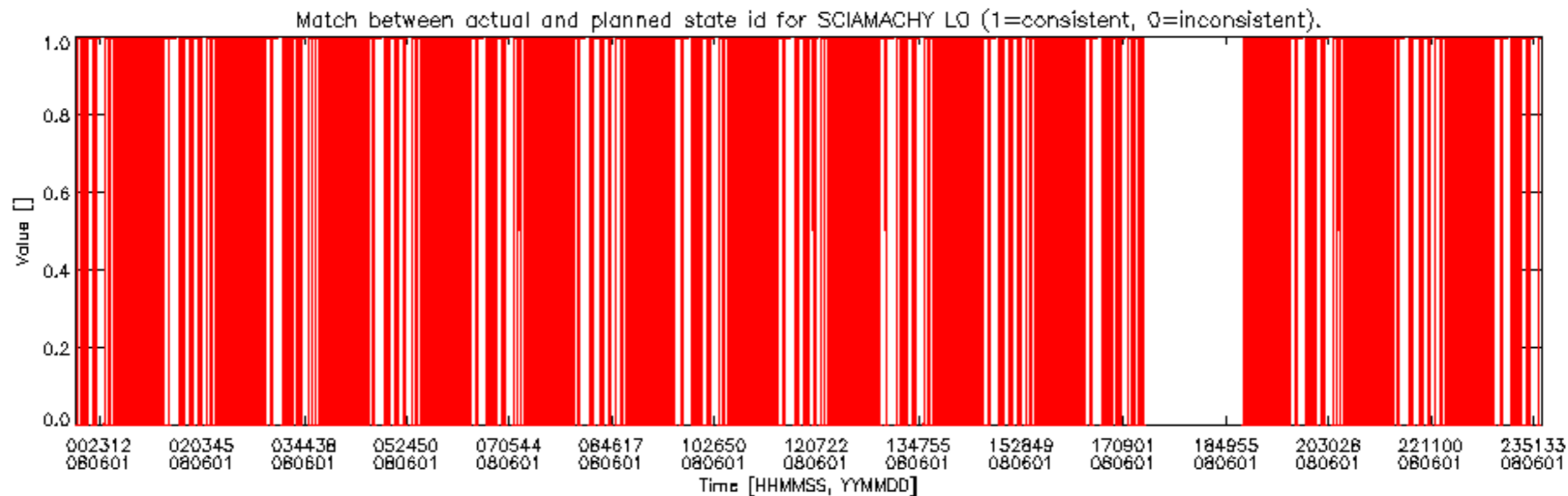
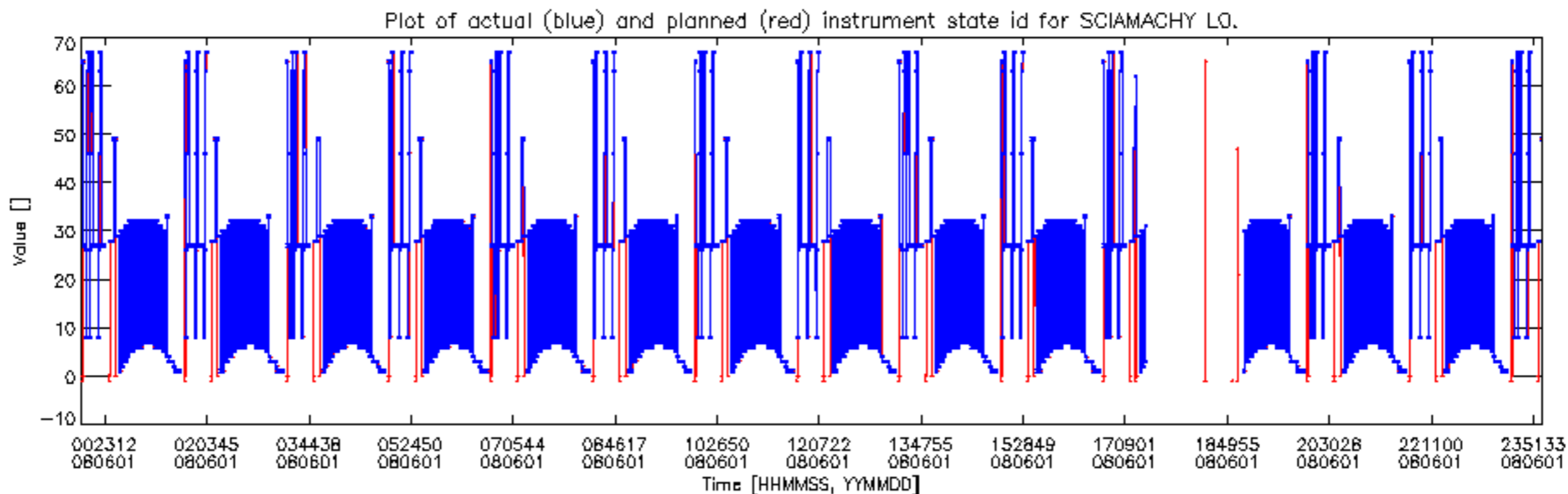












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 01JUN2008.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

