

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	09JUN2009 08:20:09
Data source version	KSPT_L0/4303-N
Processing scope for products	05JUN2009 00:00:00 to 06JUN2009 00:00:00
Start time of first product within scope	05JUN2009 09:15:27
Stop time of last product within scope	06JUN2009 01:22:25
Total number of level 0 products	11
Number of level 0 products with errors	3

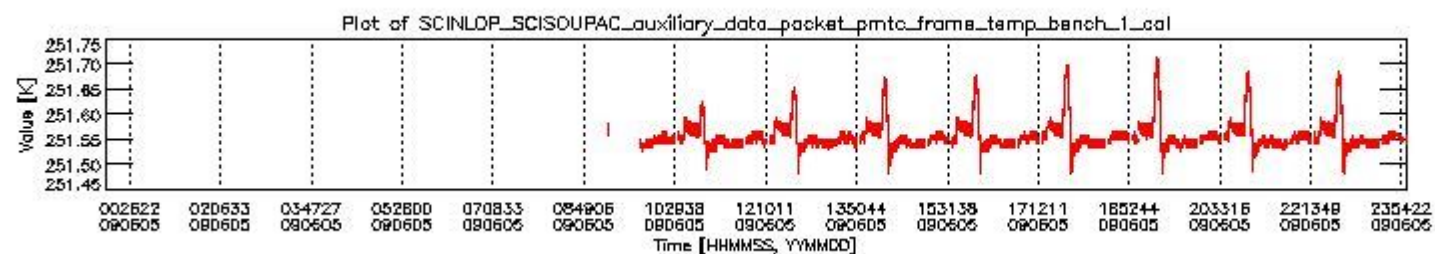
0.1.2 Summary per product

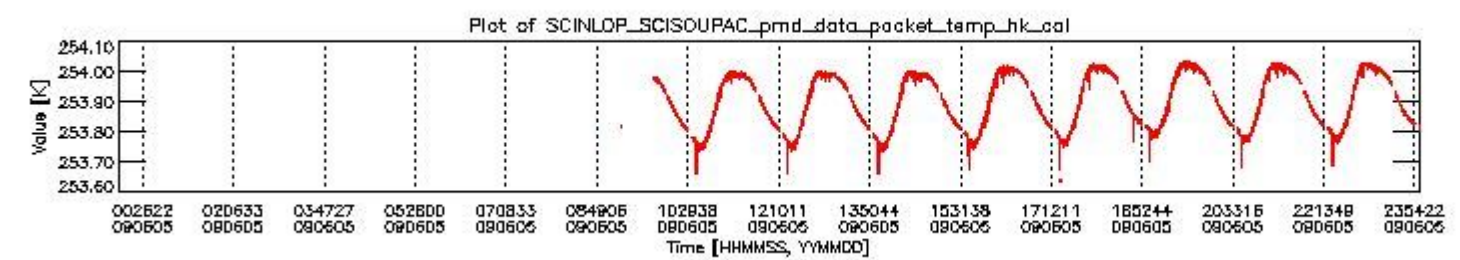
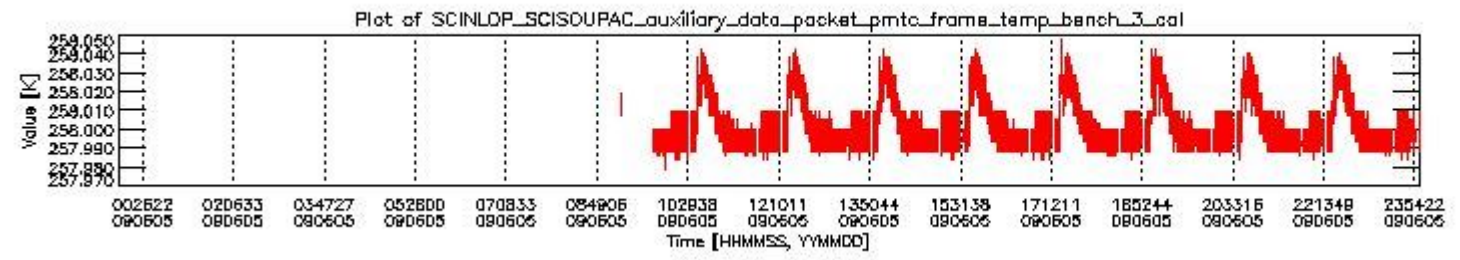
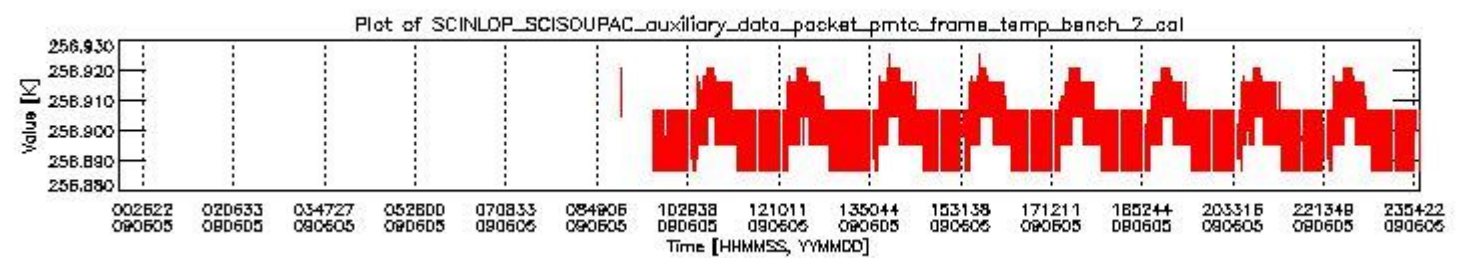
The following table shows a summary for each product used in this report.

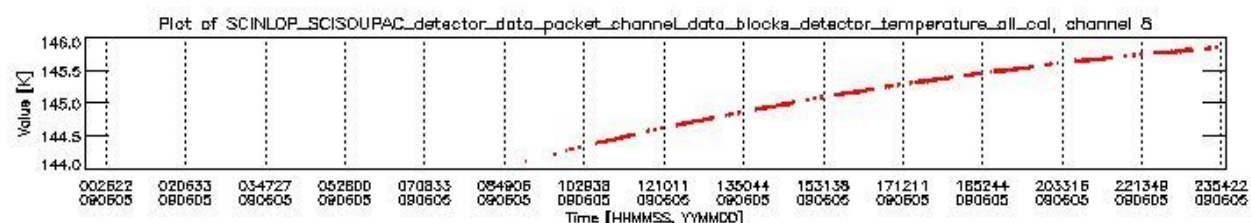
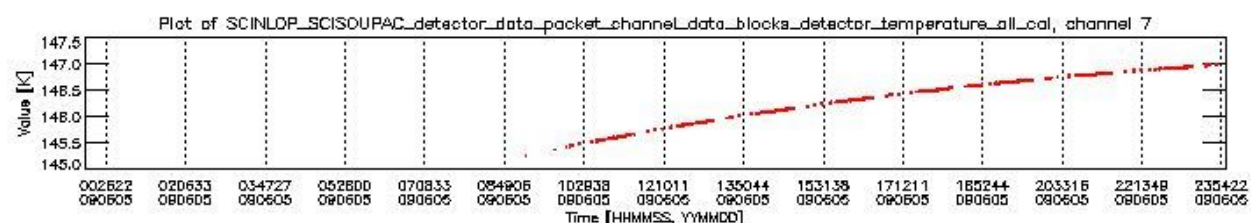
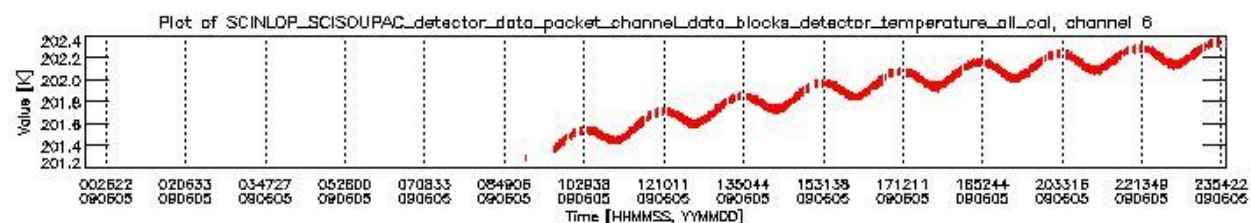
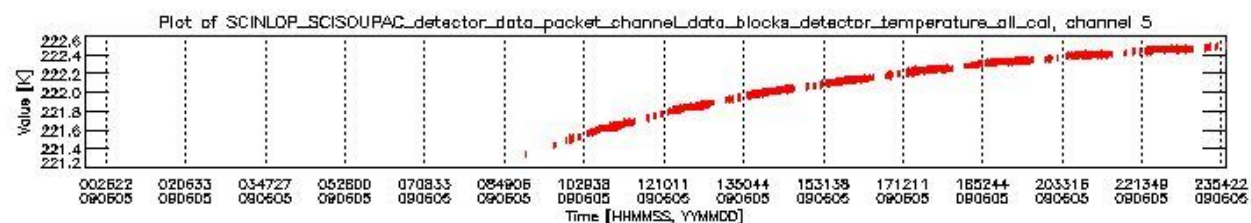
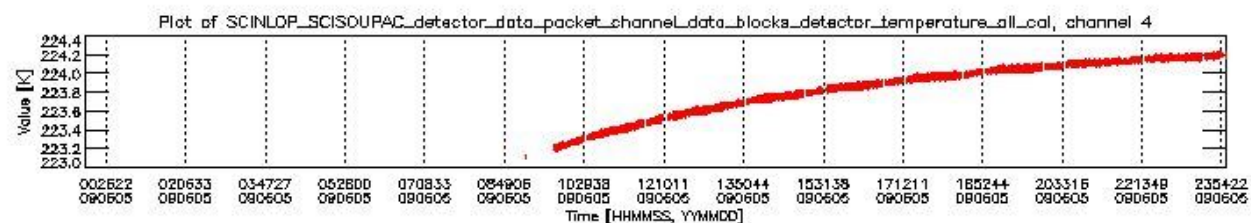
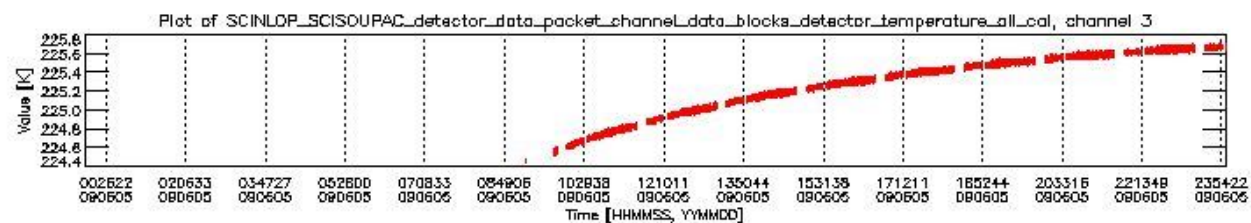
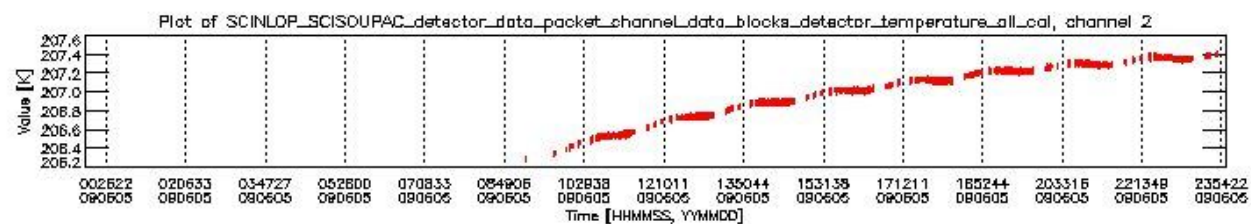
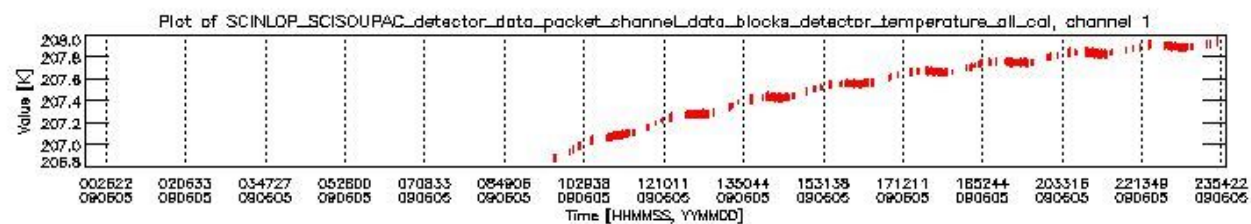
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPKD20090605_091527_000000002079_00351_37980_1716.N1	05JUN2009 09:15:27	05JUN2009 09:15:27	0	0	0	0	0
1	SCI_NL__OPNPKD20090605_095100_000039892079_00351_37980_1717.N1	05JUN2009 09:51:00	05JUN2009 10:57:29	0	0	0	0	0
2	SCI_NL__OPNPKD20090605_105729_000060362079_00352_37981_1718.N1	05JUN2009 10:57:29	05JUN2009 12:38:05	1	1	0	0	0
3	SCI_NL__OPNPKD20090605_123657_000059112079_00353_37982_1719.N1	05JUN2009 12:36:57	05JUN2009 14:15:28	0	0	0	0	0
4	SCI_NL__OPNPKD20090605_141528_000059112079_00354_37983_1720.N1	05JUN2009 14:15:28	05JUN2009 15:53:59	1	1	0	0	0
5	SCI_NL__OPNPKD20090605_155303_000058852079_00355_37984_1721.N1	05JUN2009 15:53:03	05JUN2009 17:31:08	0	0	0	0	0
6	SCI_NL__OPNPKD20090605_173013_000060092079_00356_37985_1722.N1	05JUN2009 17:30:13	05JUN2009 19:10:21	0	0	0	0	0
7	SCI_NL__OPNPKD20090605_190913_000060892079_00357_37986_1723.N1	05JUN2009 19:09:13	05JUN2009 20:50:42	1	0	1	0	0
8	SCI_NL__OPNPDE20090605_204838_000043122079_00358_37987_9279.N1	05JUN2009 20:48:38	05JUN2009 22:00:30	0	0	0	0	0
9	SCI_NL__OPNPDE20090605_215946_000062432079_00358_37987_9280.N1	05JUN2009 21:59:46	05JUN2009 23:43:49	0	0	0	0	0
10	SCI_NL__OPNPDE20090605_234305_000059602079_00359_37988_9281.N1	05JUN2009 23:43:05	06JUN2009 01:22:25	0	0	0	0	0

0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.





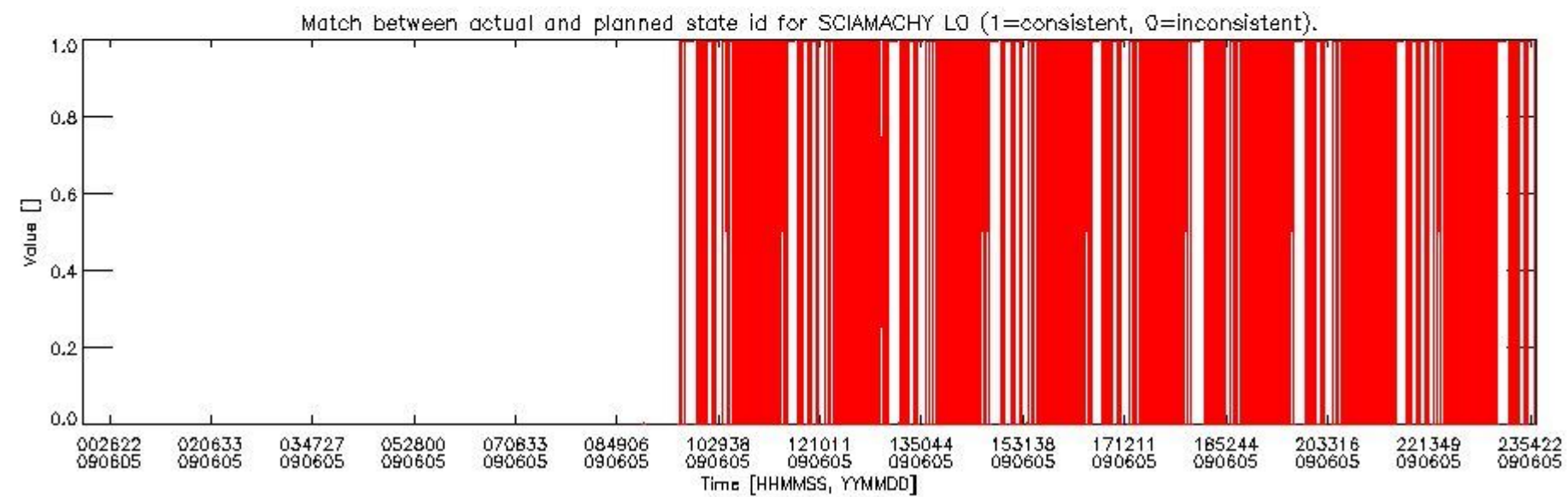
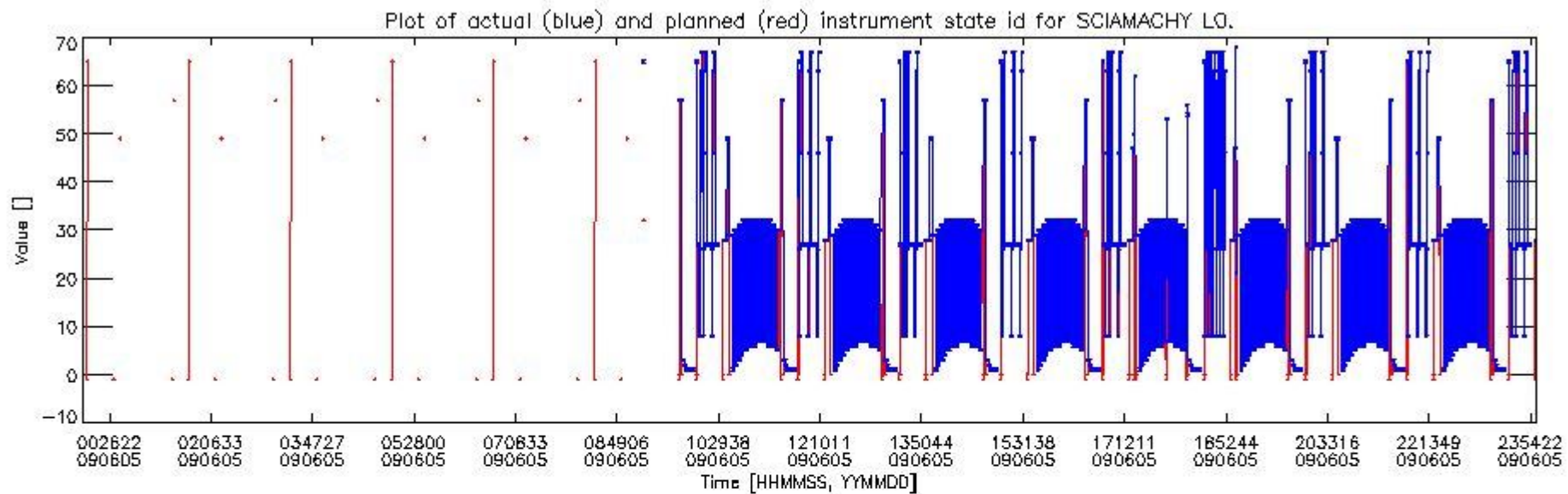


0.3 State monitoring

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: **23618**

#	Actual time	Actual value	Planned time	Planned value
0	05JUN2009 09:15:27.438985	65	05JUN2009 09:15:27.438985	32
1	05JUN2009 09:15:28.064007	65	05JUN2009 09:15:28.064007	32
2	05JUN2009 09:15:28.563984	65	05JUN2009 09:15:28.563984	32
3	05JUN2009 09:15:29.064001	65	05JUN2009 09:15:29.064001	32
4	05JUN2009 09:15:29.563978	65	05JUN2009 09:15:29.563978	32
5	05JUN2009 09:15:30.063996	65	05JUN2009 09:15:30.063996	32
6	05JUN2009 09:15:30.563973	65	05JUN2009 09:15:30.563973	32
7	05JUN2009 09:15:31.063990	65	05JUN2009 09:15:31.063990	32
8	05JUN2009 09:15:31.564008	65	05JUN2009 09:15:31.564008	32
9	05JUN2009 09:15:32.063985	65	05JUN2009 09:15:32.063985	32
10	05JUN2009 09:15:32.438998	65	05JUN2009 09:15:32.438998	32
11	05JUN2009 09:15:32.564002	65	05JUN2009 09:15:32.564002	32
12	05JUN2009 09:15:33.063979	65	05JUN2009 09:15:33.063979	32
13	05JUN2009 09:15:33.563997	65	05JUN2009 09:15:33.563997	32
14	05JUN2009 09:15:34.063974	65	05JUN2009 09:15:34.063974	32
15	05JUN2009 09:15:34.563991	65	05JUN2009 09:15:34.563991	32
16	05JUN2009 09:15:35.064009	65	05JUN2009 09:15:35.064009	32
17	05JUN2009 09:15:35.563986	65	05JUN2009 09:15:35.563986	32
18	05JUN2009 09:15:36.064003	65	05JUN2009 09:15:36.064003	32
19	05JUN2009 09:15:36.563981	65	05JUN2009 09:15:36.563981	32
...

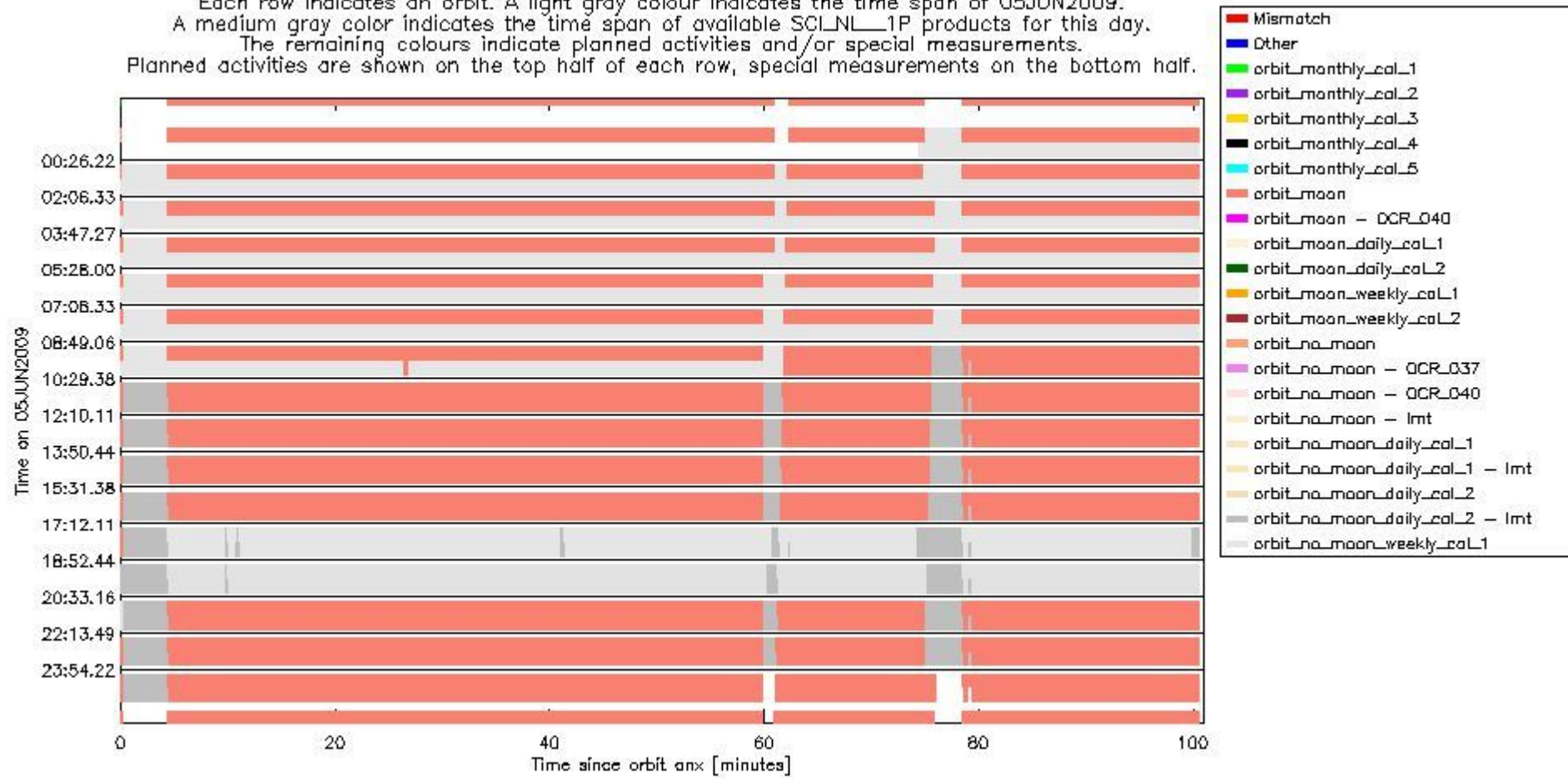


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090605_5.PNG

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 Q5JUN2009.
 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_20090605_6.PNG

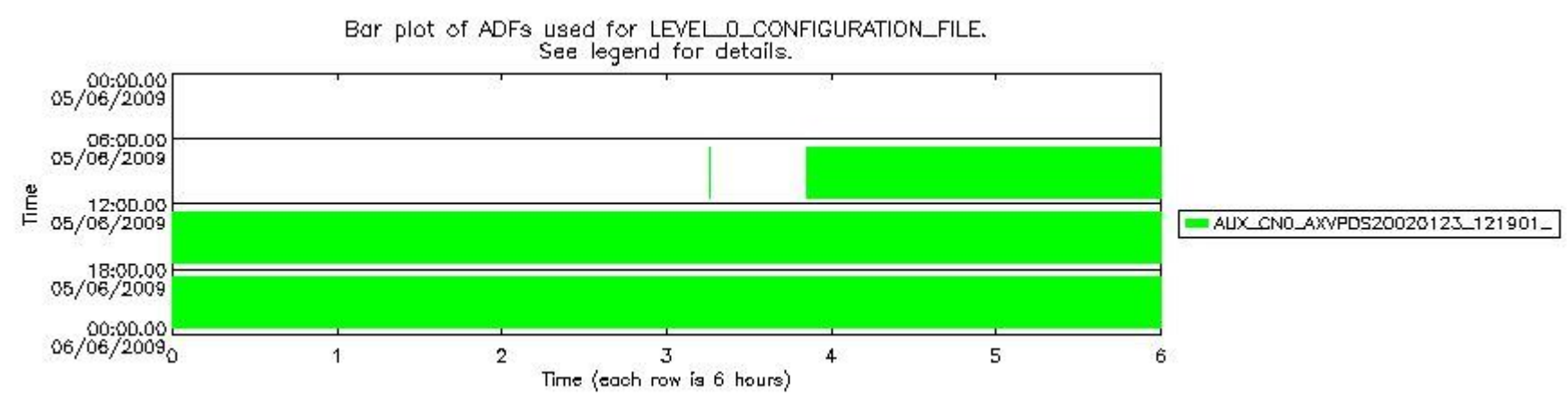
0.4 ADF monitoring

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

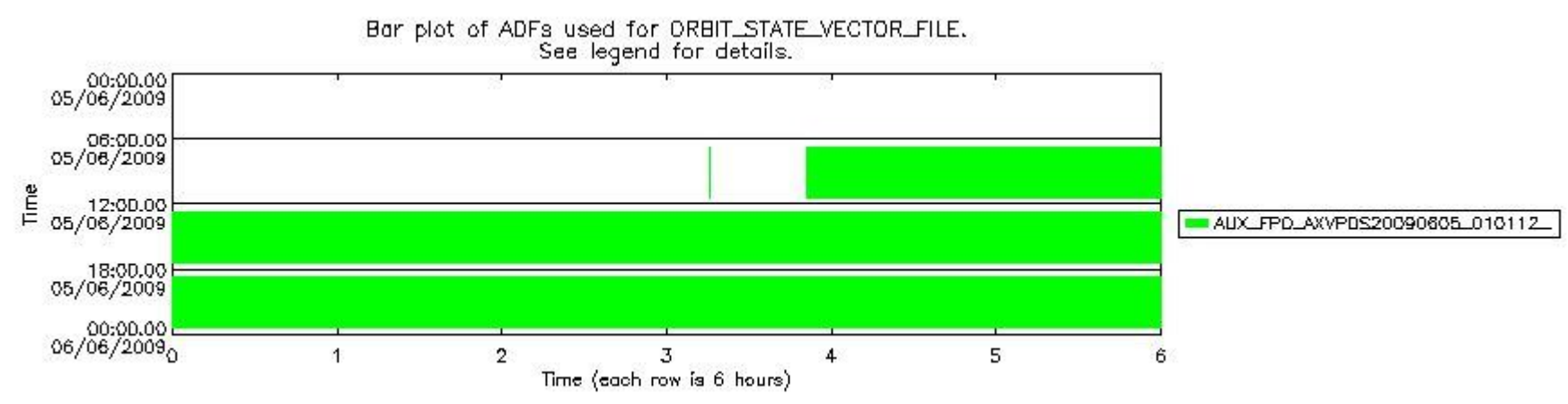
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

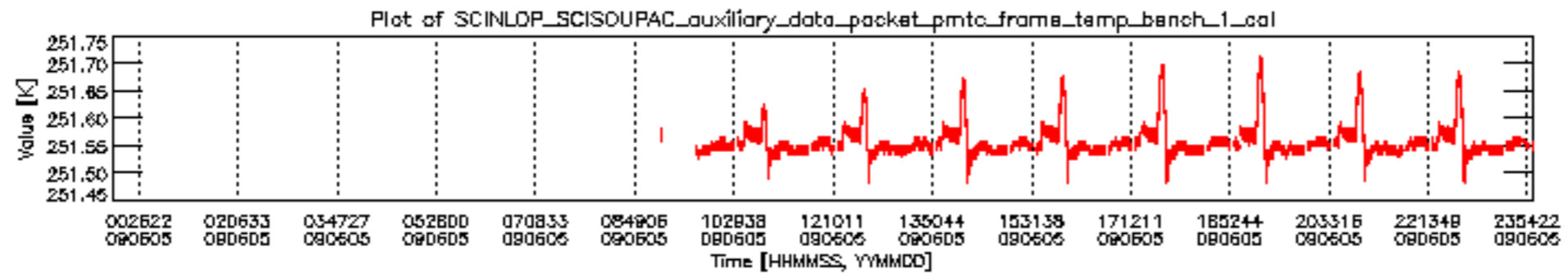
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090605_010112_20090604_192417_20090614_205031

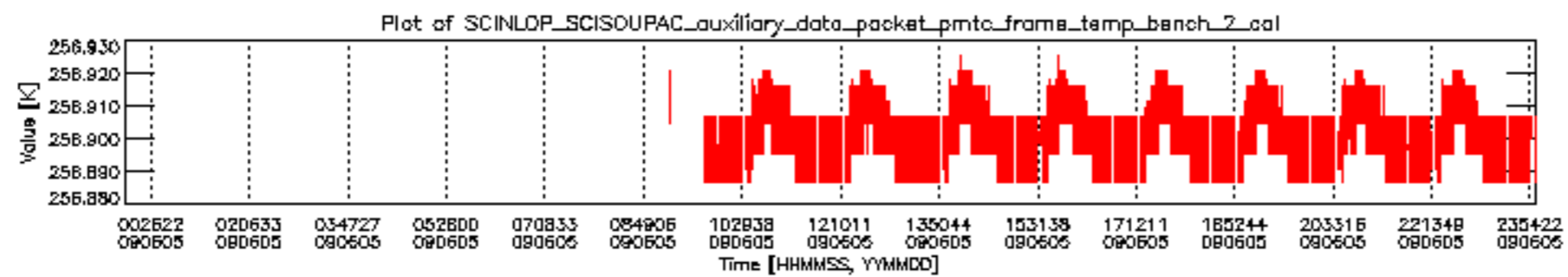


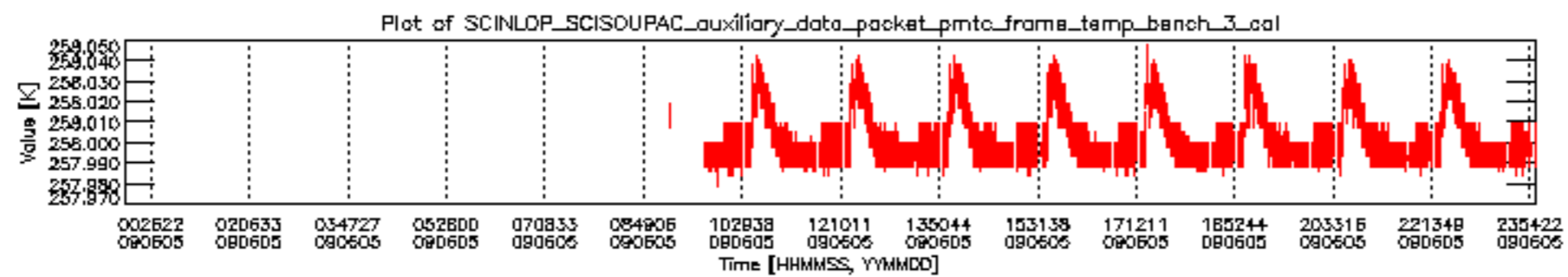
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090605_7.PNG

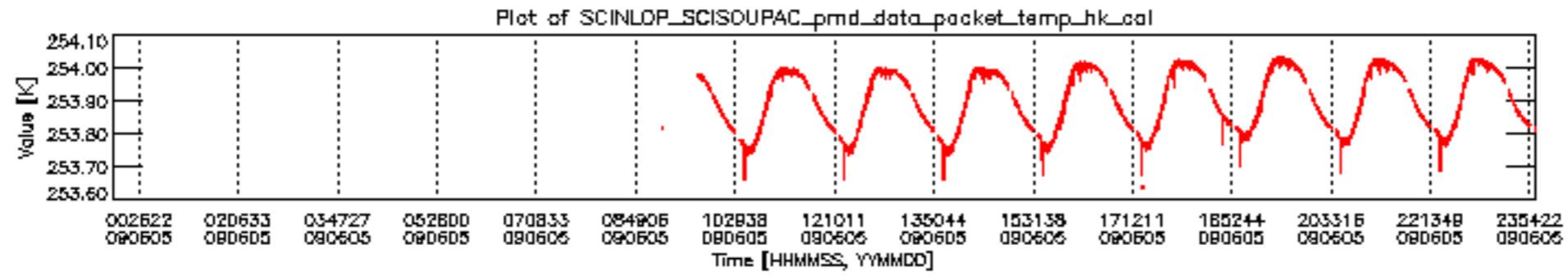


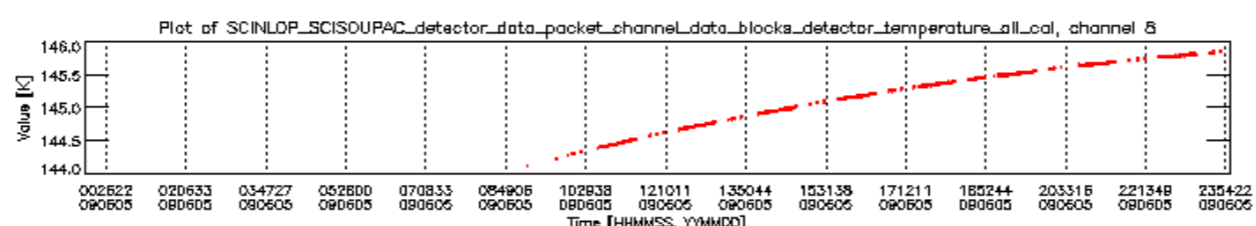
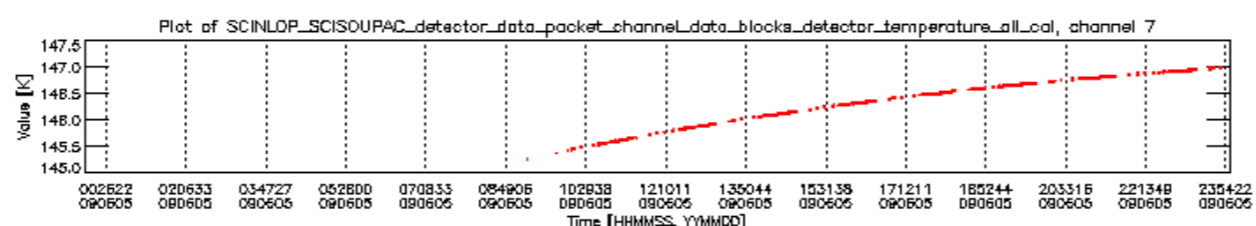
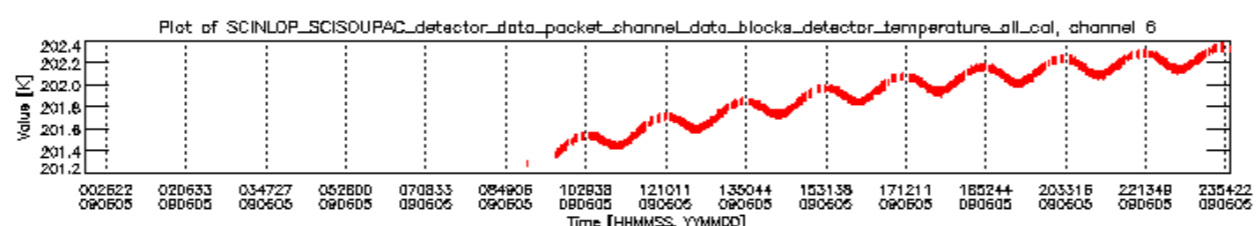
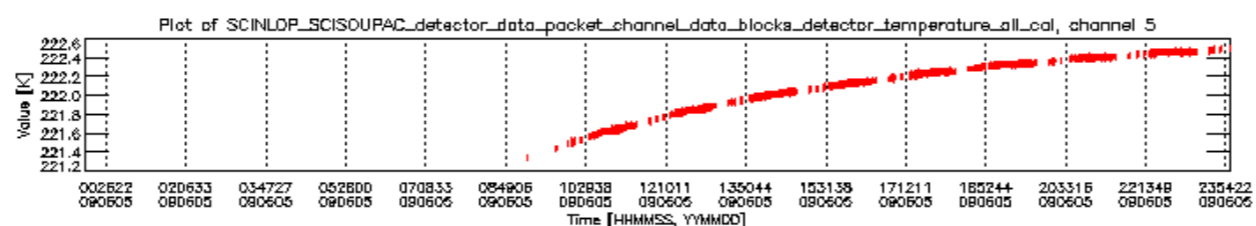
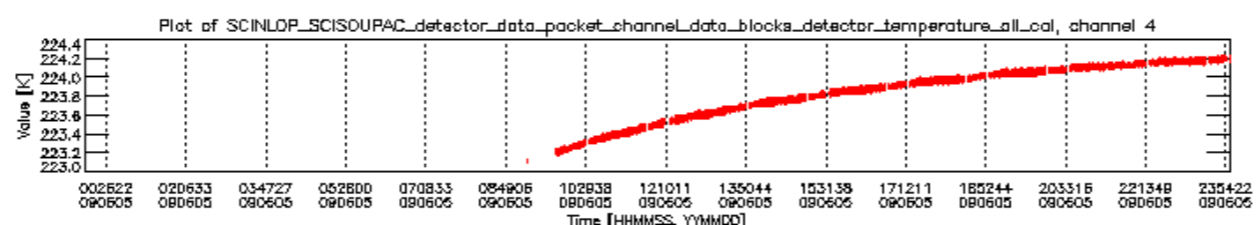
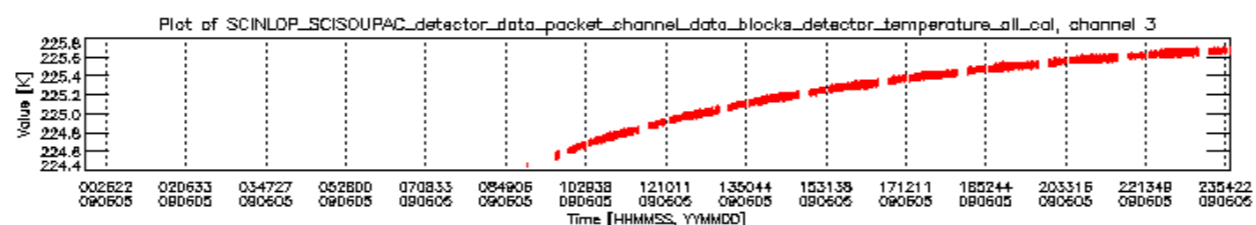
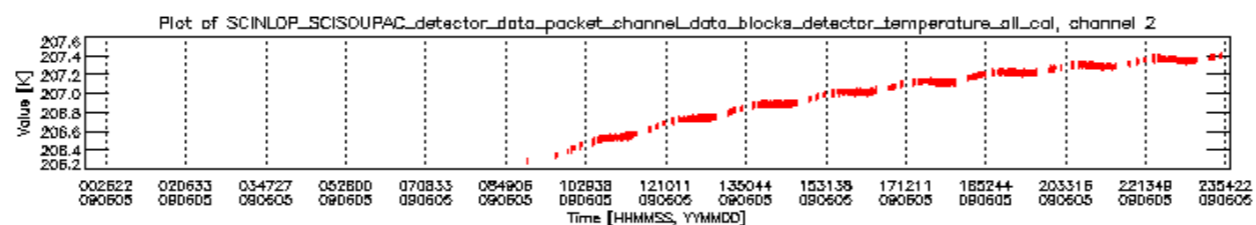
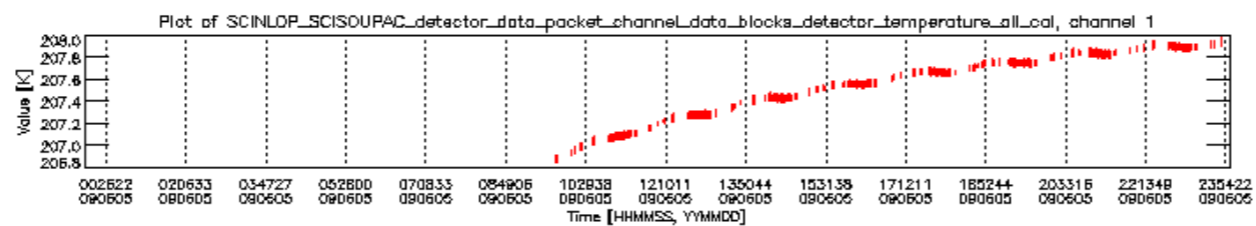
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090605_8.PNG

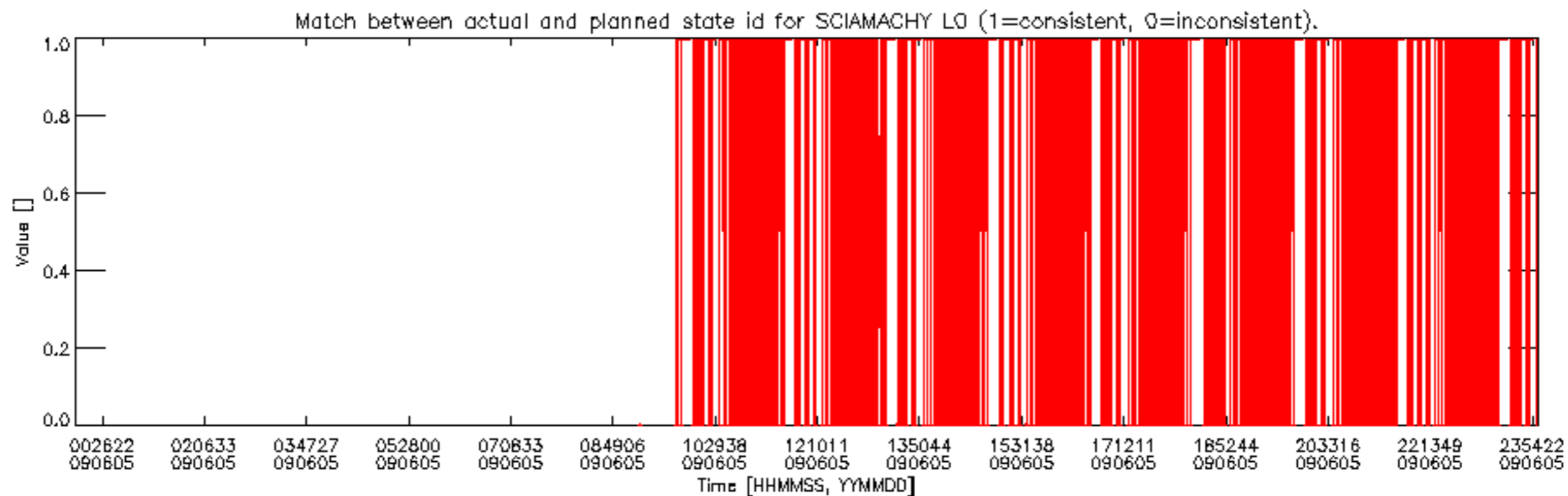
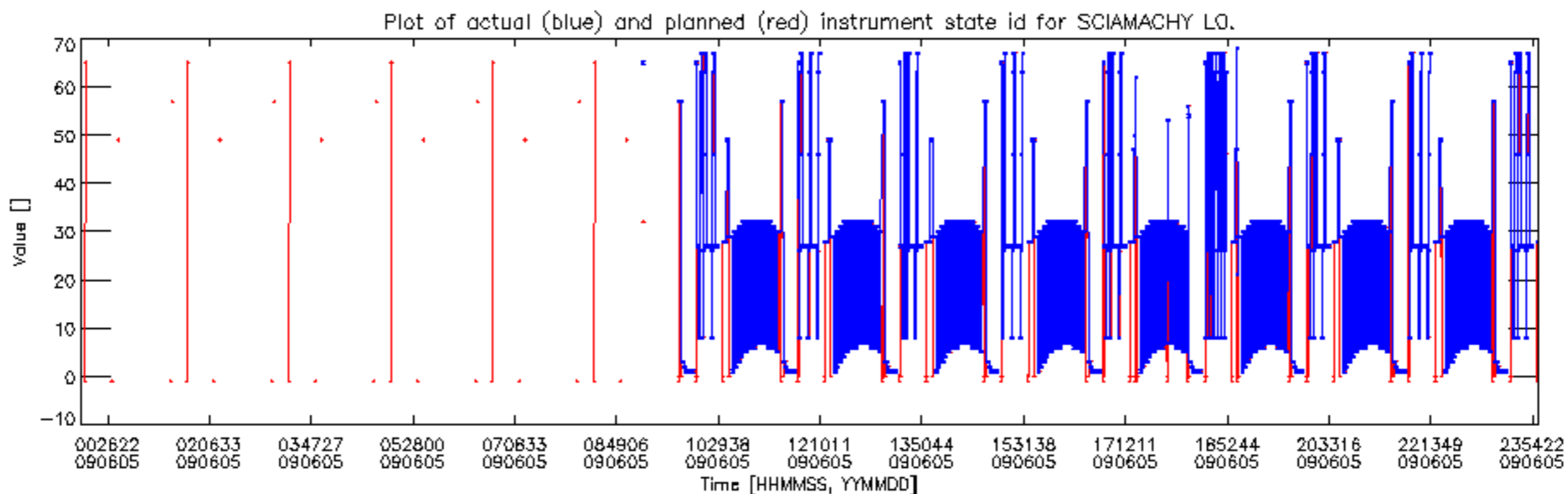












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 05JUN2009.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

