

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	06JUN2009 07:25:37
Data source version	KSPT_L0/4303-N
Processing scope for products	02JUN2009 00:00:00 to 03JUN2009 00:00:00
Start time of first product within scope	01JUN2009 22:27:46
Stop time of last product within scope	03JUN2009 01:15:55
Total number of level 0 products	17
Number of level 0 products with errors	3

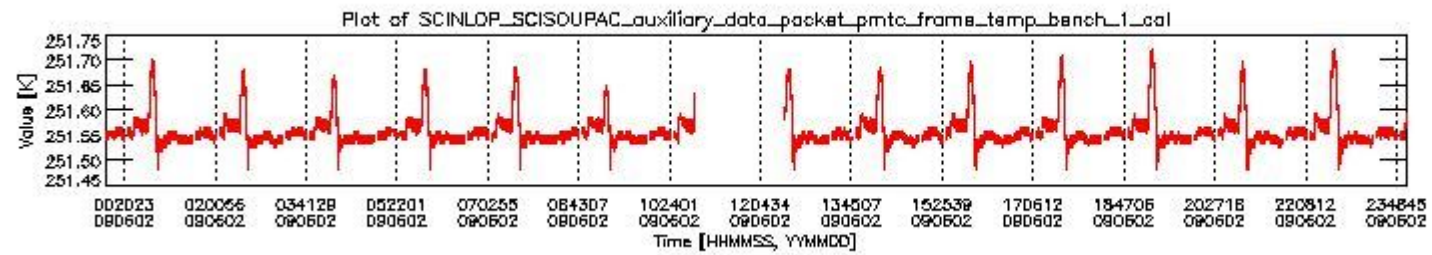
0.1.2 Summary per product

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

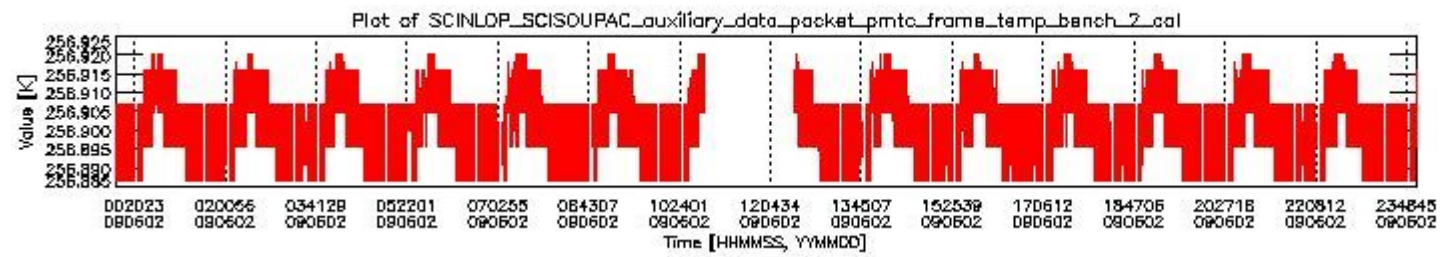
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090601_222746_000060482079_00301_37930_9265.N1	01JUN2009 22:27:46	02JUN2009 00:08:34	0	0	0	0	0
1	SCI_NL__OPNPDE20090602_000750_000059502079_00302_37931_9266.N1	02JUN2009 00:07:50	02JUN2009 01:47:01	0	0	0	0	0
2	SCI_NL__OPNPDE20090602_014613_000046742079_00303_37932_9267.N1	02JUN2009 01:46:13	02JUN2009 03:04:07	0	0	0	0	0
3	SCI_NL__OPNPDE20090602_030407_000058562079_00304_37933_9268.N1	02JUN2009 03:04:07	02JUN2009 04:41:43	0	0	0	0	0
4	SCI_NL__OPNPDE20090602_044143_000060922079_00305_37934_9269.N1	02JUN2009 04:41:43	02JUN2009 06:23:15	0	0	0	0	0
5	SCI_NL__OPNPDK20090602_062315_000040452079_00306_37935_1697.N1	02JUN2009 06:23:15	02JUN2009 07:30:40	0	0	0	0	0
6	SCI_NL__OPNPDK20090602_072931_000062292079_00307_37936_1698.N1	02JUN2009 07:29:31	02JUN2009 09:13:20	0	0	0	0	0
7	SCI_NL__OPNPDK20090602_091211_000059802079_00308_37937_1699.N1	02JUN2009 09:12:11	02JUN2009 10:51:51	0	0	0	0	0
8	SCI_NL__OPNPDK20090602_105042_000061042079_00309_37938_1700.N1	02JUN2009 10:50:42	02JUN2009 12:32:27	1	1	0	0	0
9	SCI_NL__OPNPDK20090602_123118_000059112079_00310_37939_1702.N1	02JUN2009 12:31:18	02JUN2009 14:09:49	1	1	0	0	0
10	SCI_NL__OPNPDK20090602_140854_000059672079_00311_37940_1703.N1	02JUN2009 14:08:54	02JUN2009 15:48:21	1	1	1	0	0
11	SCI_NL__OPNPDK20090602_154725_000059262079_00312_37941_1704.N1	02JUN2009 15:47:25	02JUN2009 17:26:11	0	0	0	0	0
12	SCI_NL__OPNPDK20090602_172503_000059112079_00313_37942_1705.N1	02JUN2009 17:25:03	02JUN2009 19:03:34	0	0	0	0	0
13	SCI_NL__OPNPDK20090602_190334_000058962079_00314_37943_1706.N1	02JUN2009 19:03:34	02JUN2009 20:41:51	0	0	0	0	0
14	SCI_NL__OPNPDE20090602_204055_000044292079_00315_37944_9270.N1	02JUN2009 20:40:55	02JUN2009 21:54:43	0	0	0	0	0
15	SCI_NL__OPNPDE20090602_215356_000062222079_00315_37944_9271.N1	02JUN2009 21:53:56	02JUN2009 23:37:39	0	0	0	0	0
16	SCI_NL__OPNPDE20090602_233655_000059402079_00316_37945_9272.N1	02JUN2009 23:36:55	03JUN2009 01:15:55	0	0	0	0	0

0.2 Product Quality Indicators

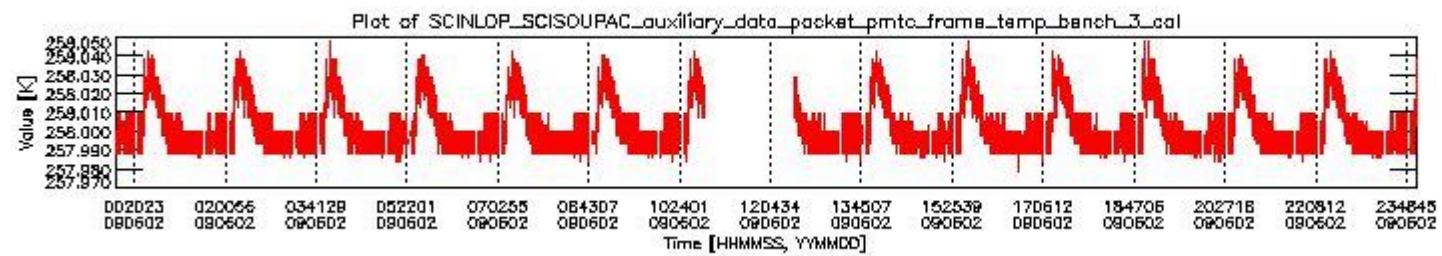
This section shows information about product quality, currently temperatures.



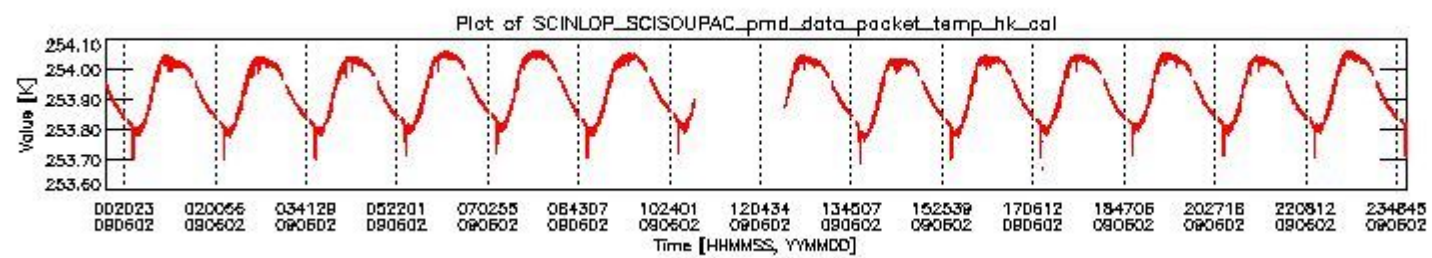
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090602_0.PNG



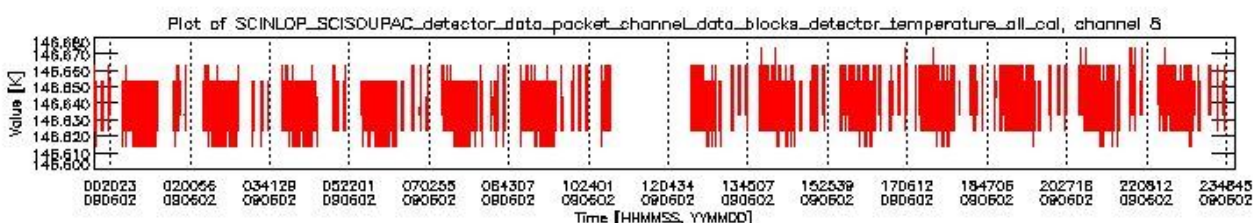
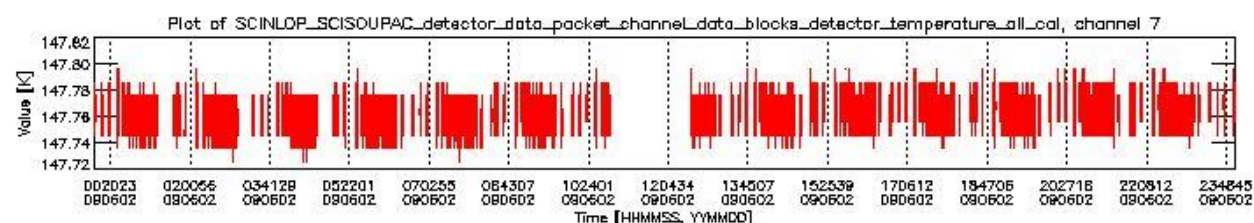
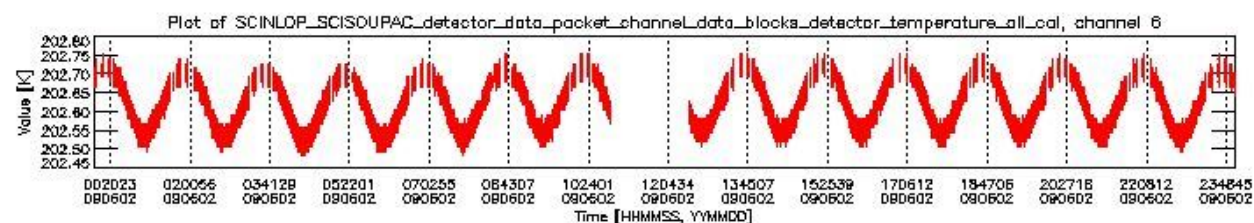
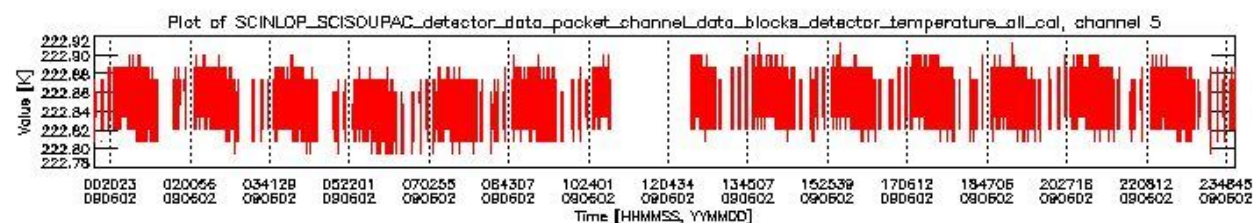
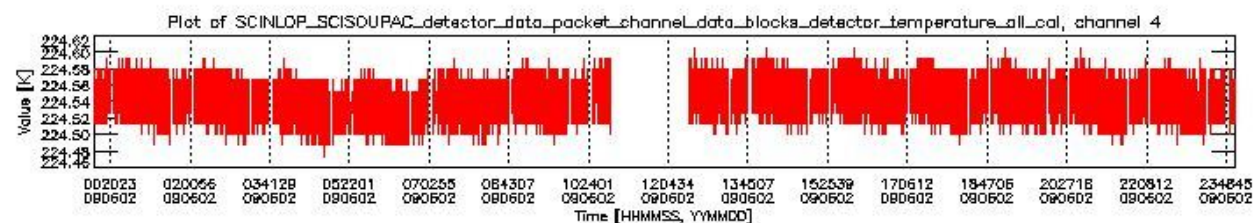
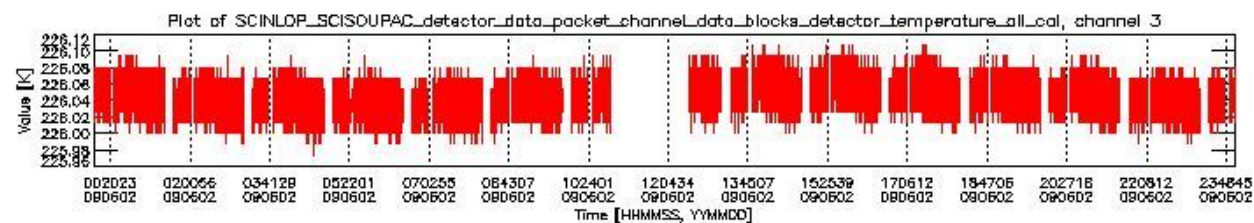
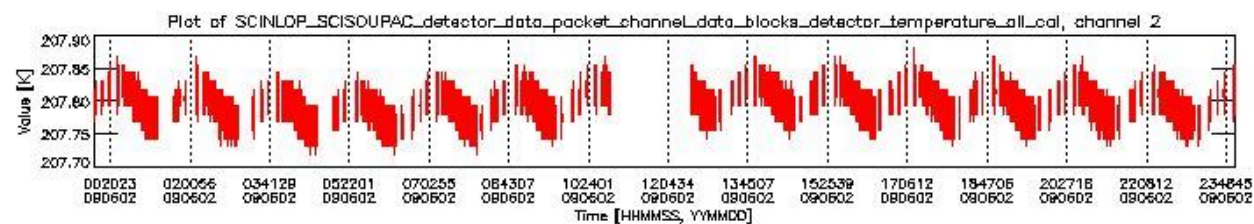
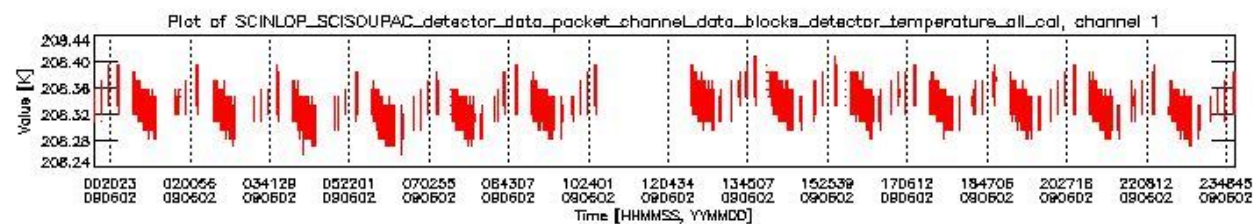
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090602_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090602_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090602_3.PNG

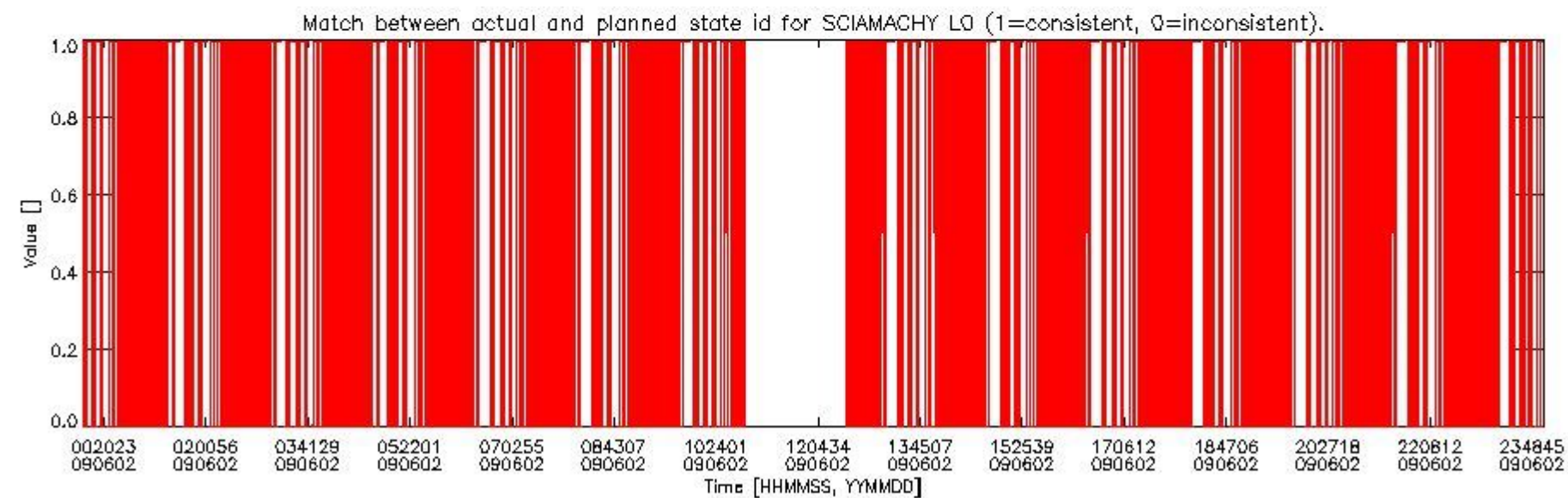
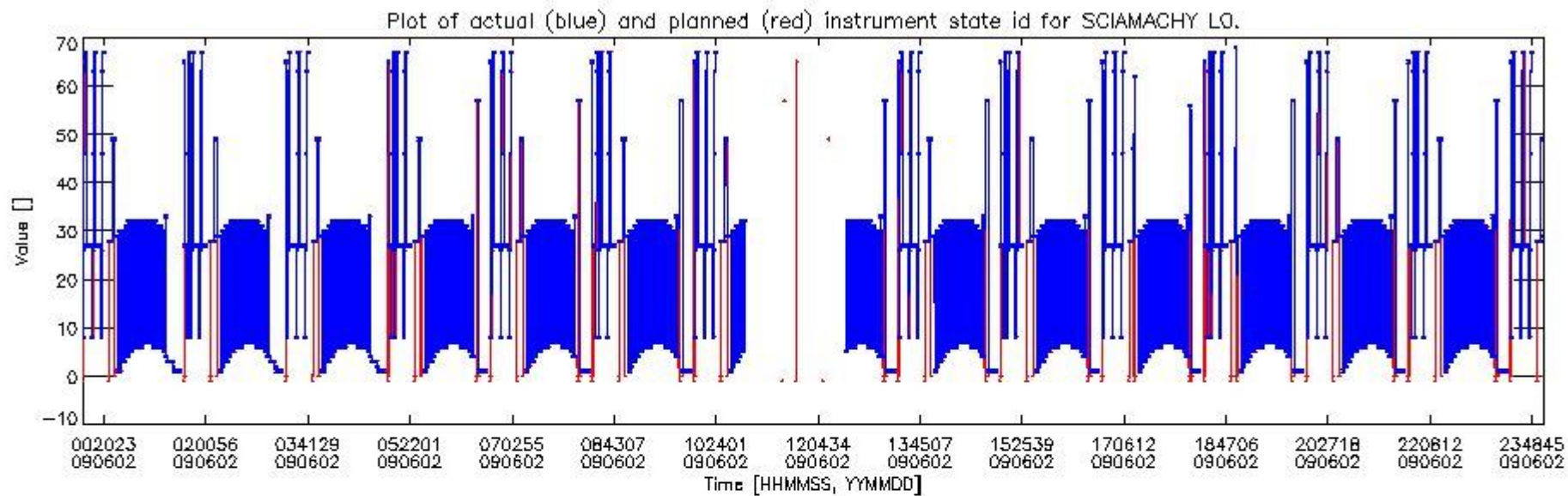


0.3 State monitoring

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: **35927**

#	Actual time	Actual value	Planned time	Planned value
0	02JUN2009 00:00:00.380002	26	02JUN2009 00:00:00.380002	8
1	02JUN2009 00:00:00.879979	26	02JUN2009 00:00:00.879979	8
2	02JUN2009 00:00:01.379997	26	02JUN2009 00:00:01.379997	8
3	02JUN2009 00:00:01.880014	26	02JUN2009 00:00:01.880014	8
4	02JUN2009 00:00:02.379991	26	02JUN2009 00:00:02.379991	8
5	02JUN2009 00:00:02.880009	26	02JUN2009 00:00:02.880009	8
6	02JUN2009 00:00:03.254981	26	02JUN2009 00:00:03.254981	8
7	02JUN2009 00:00:03.379986	26	02JUN2009 00:00:03.379986	8
8	02JUN2009 00:00:03.880003	26	02JUN2009 00:00:03.880003	8
9	02JUN2009 00:00:04.379980	26	02JUN2009 00:00:04.379980	8
10	02JUN2009 00:00:04.879998	26	02JUN2009 00:00:04.879998	8
11	02JUN2009 00:00:05.380015	26	02JUN2009 00:00:05.380015	8
12	02JUN2009 00:00:05.879992	26	02JUN2009 00:00:05.879992	8
13	02JUN2009 00:00:06.380010	26	02JUN2009 00:00:06.380010	8
14	02JUN2009 00:00:06.879987	26	02JUN2009 00:00:06.879987	8
15	02JUN2009 00:00:31.813587	46	02JUN2009 00:00:31.813587	26
16	02JUN2009 00:00:32.438609	46	02JUN2009 00:00:32.438609	26
17	02JUN2009 00:00:32.938586	46	02JUN2009 00:00:32.938586	26
18	02JUN2009 00:00:33.438604	46	02JUN2009 00:00:33.438604	26
19	02JUN2009 00:00:33.938581	46	02JUN2009 00:00:33.938581	26

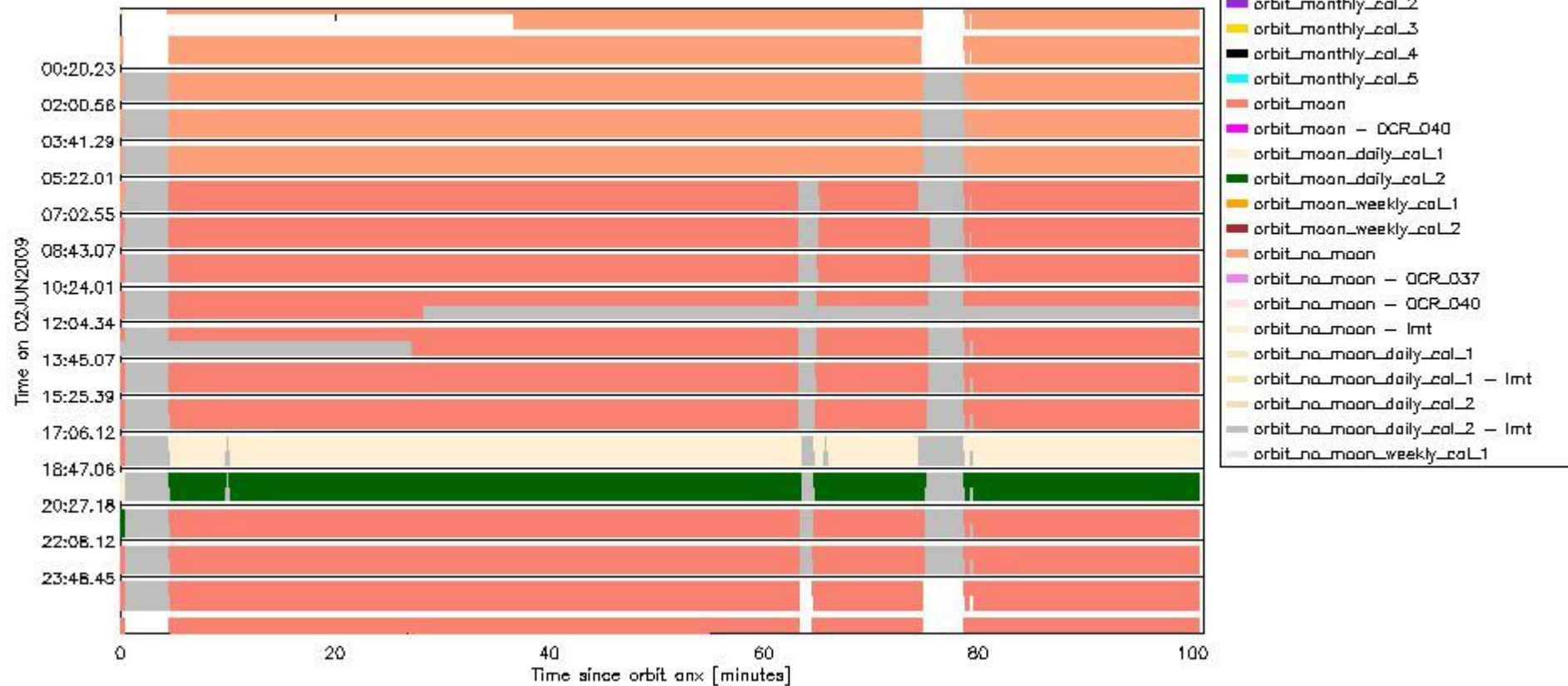


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090602_5.PNG

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 02JUN2009.
 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_20090602_6.PNG

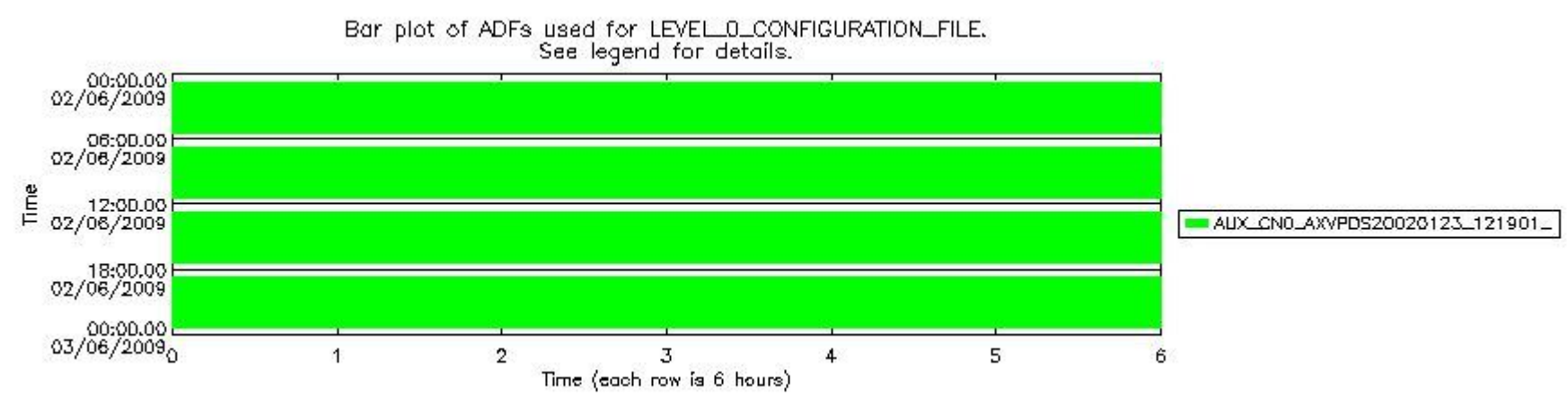
0.4 ADF monitoring

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

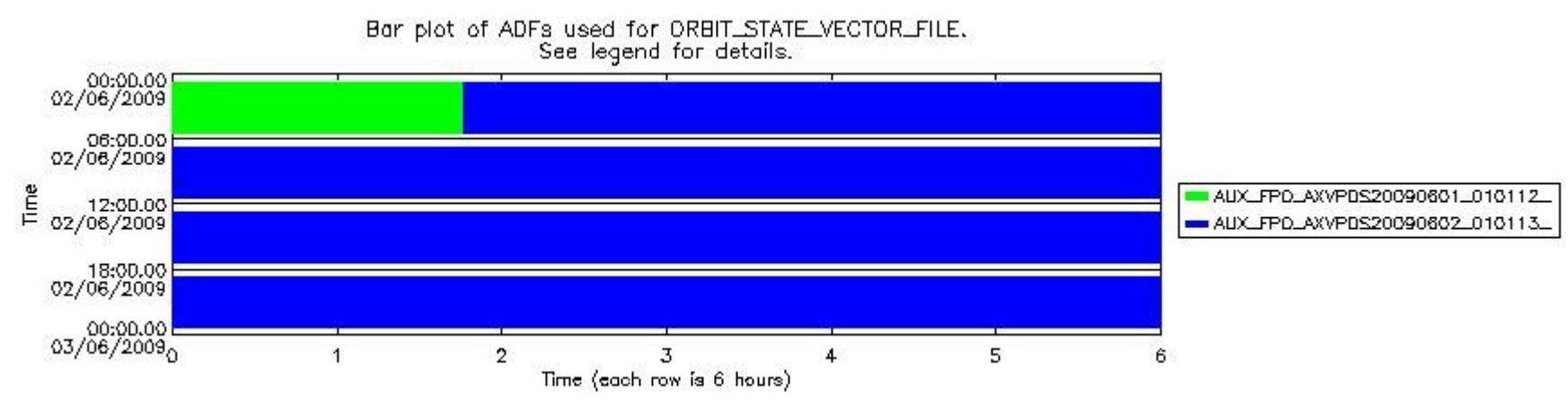
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

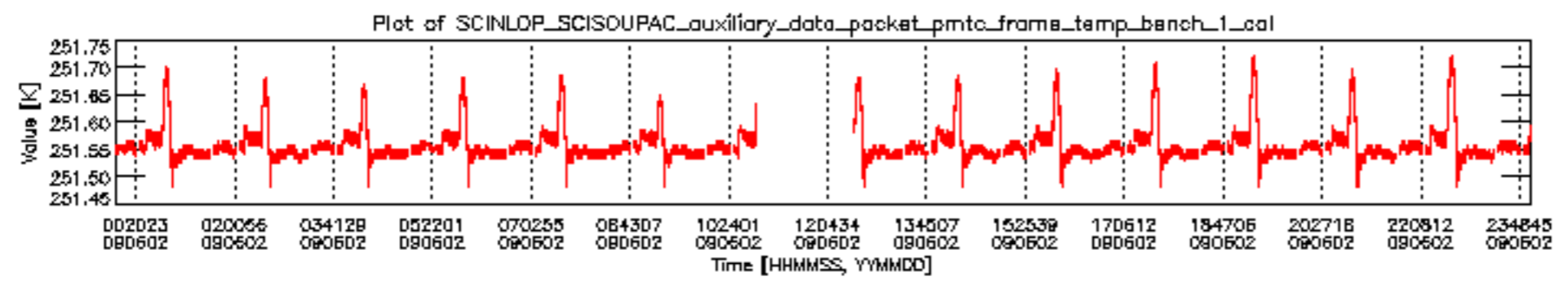
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090601_010112_20090531_195009_20090610_211623
2	AUX_FPO_AXVPDS20090602_010113_20090601_191832_20090611_204446

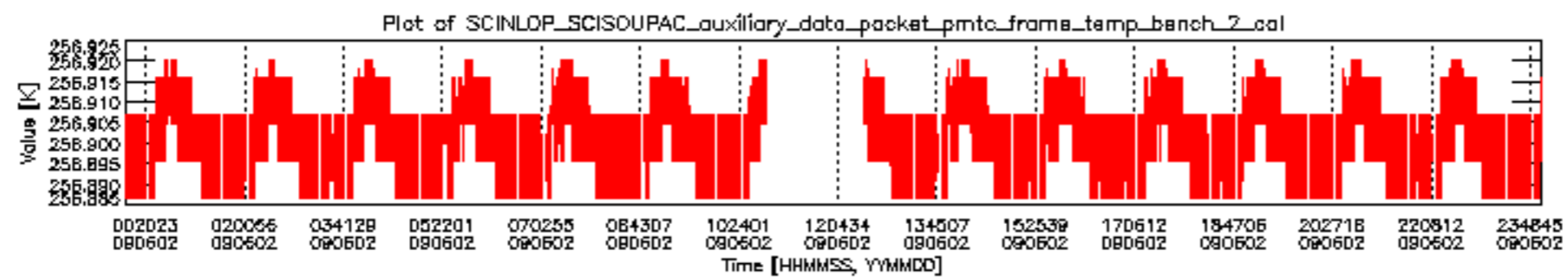


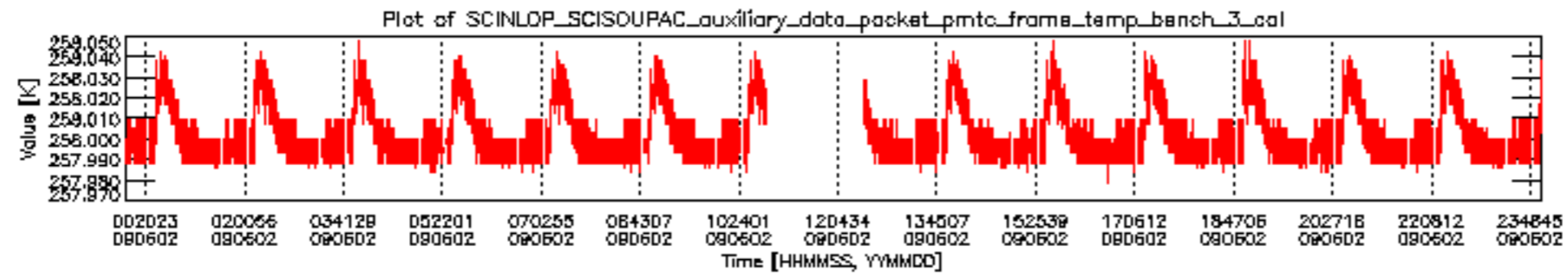
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090602_7.PNG

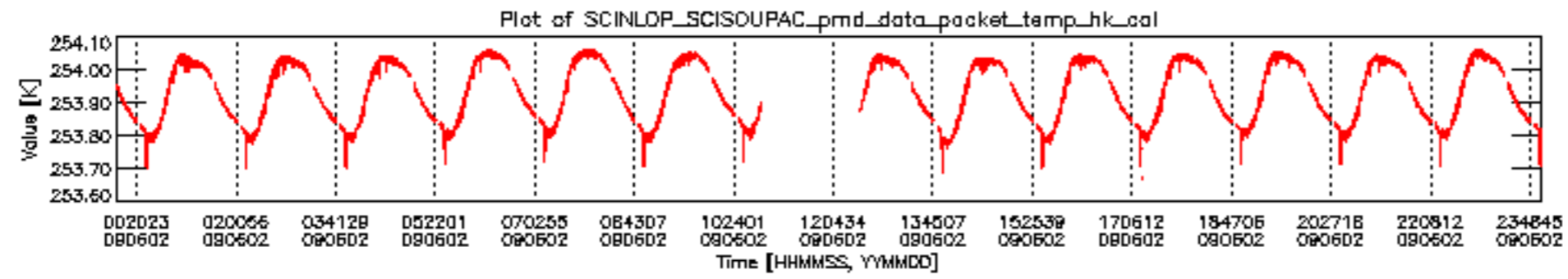


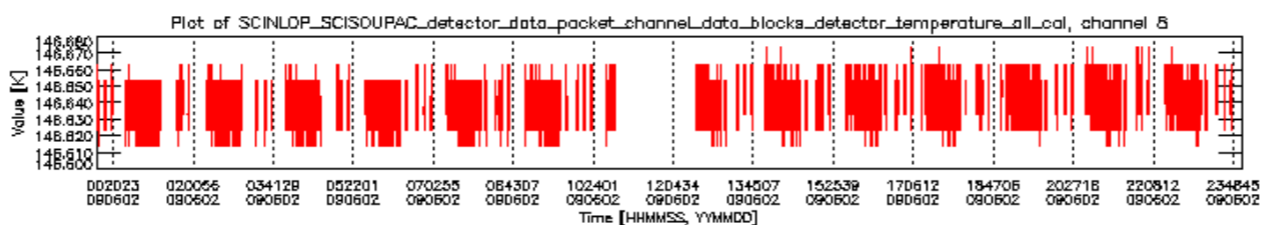
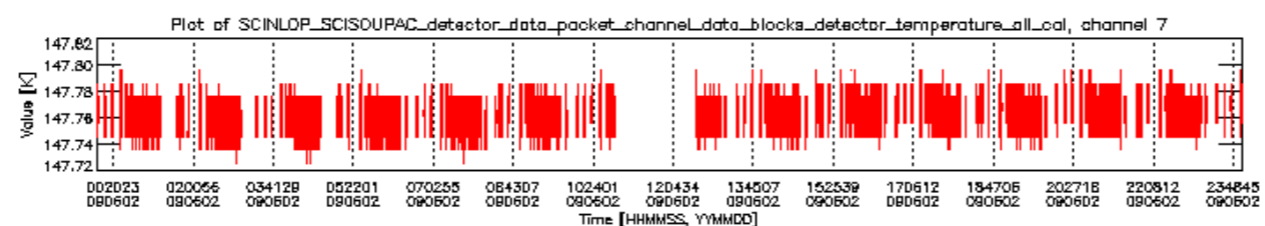
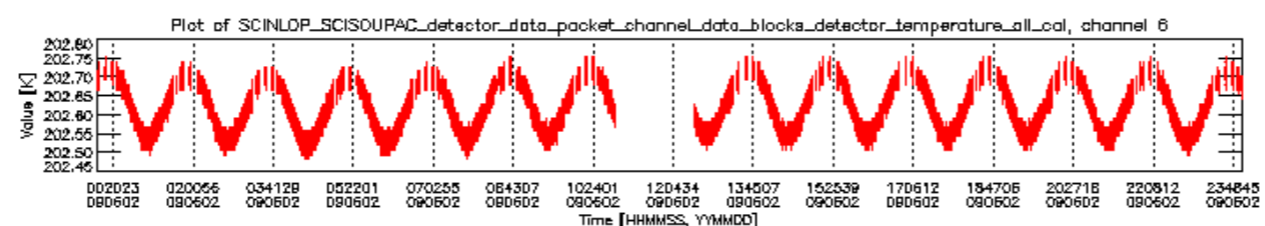
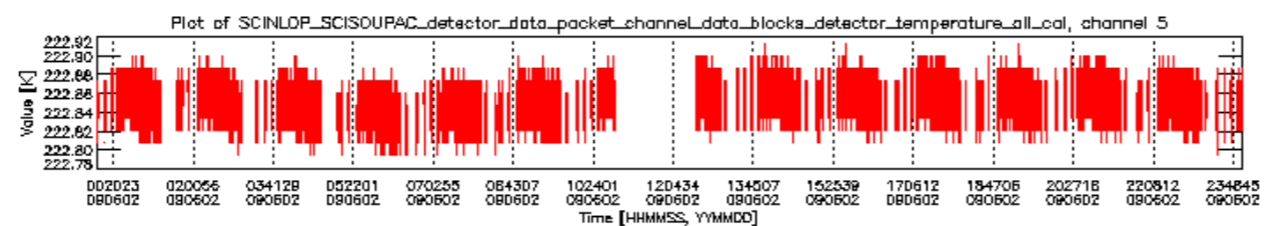
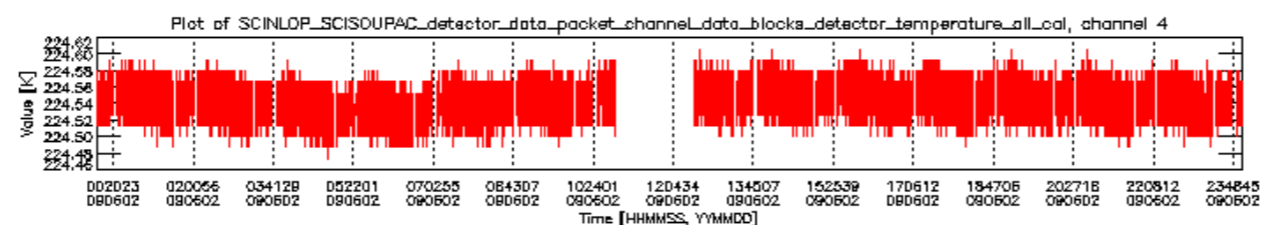
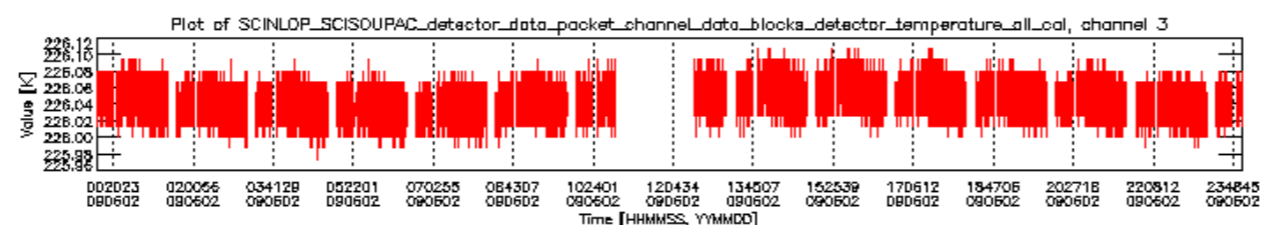
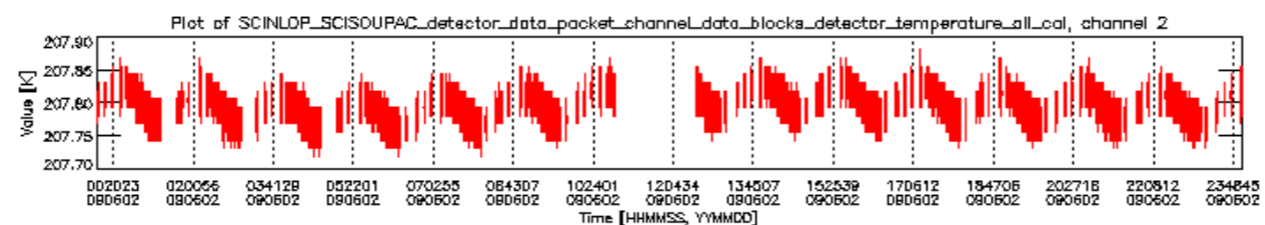
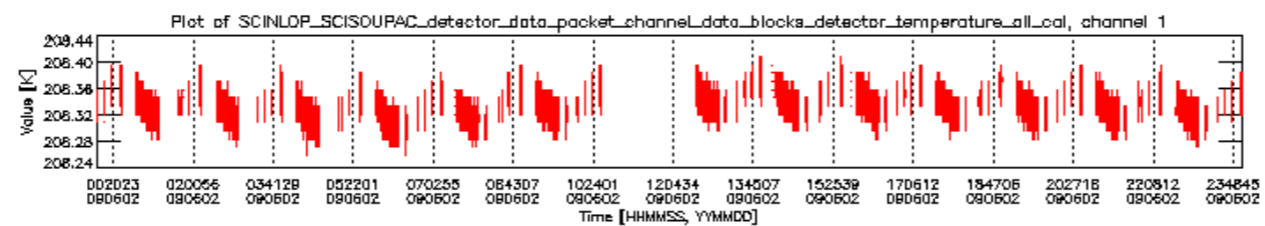
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090602_8.PNG

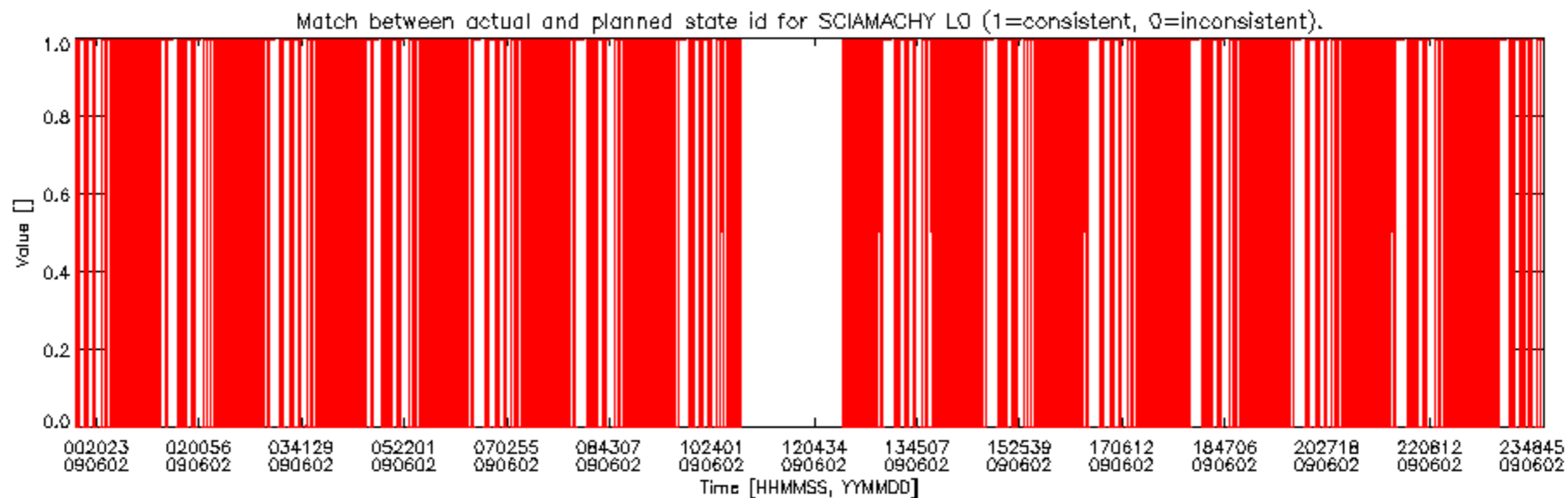
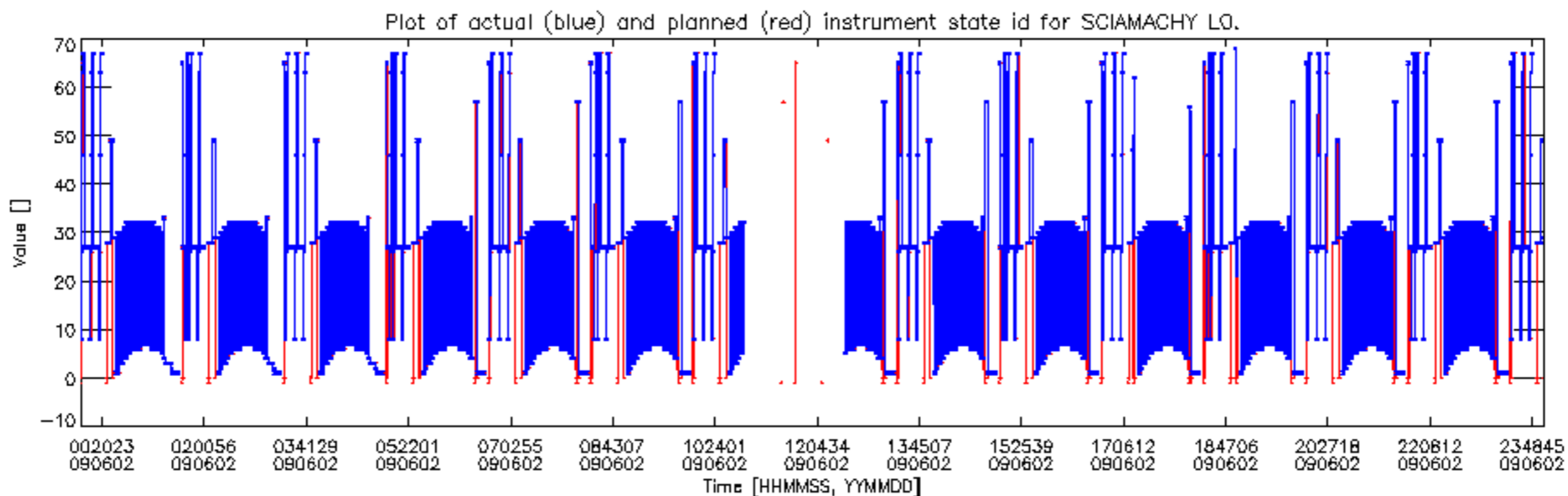












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