

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	29APR2009 03:56:41
Data source version	KSPT_L0/4303-N
Processing scope for products	25APR2009 00:00:00 to 26APR2009 00:00:00
Start time of first product within scope	24APR2009 22:19:56
Stop time of last product within scope	26APR2009 01:10:52
Total number of level 0 products	18
Number of level 0 products with errors	2

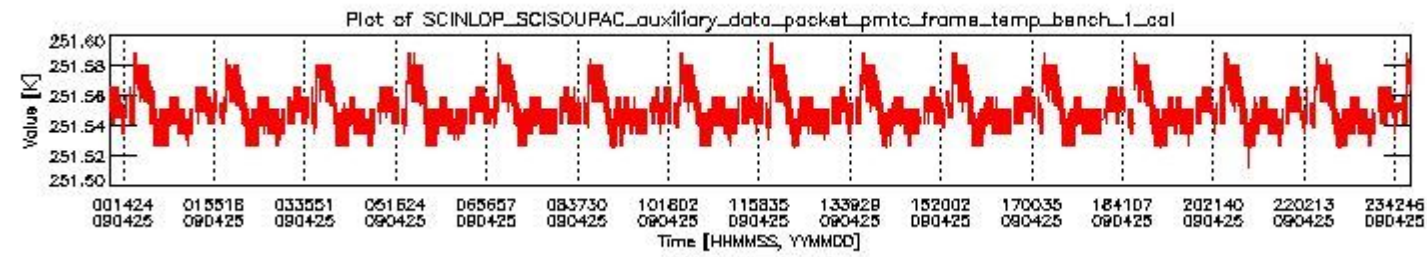
0.1.2 Summary per product

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

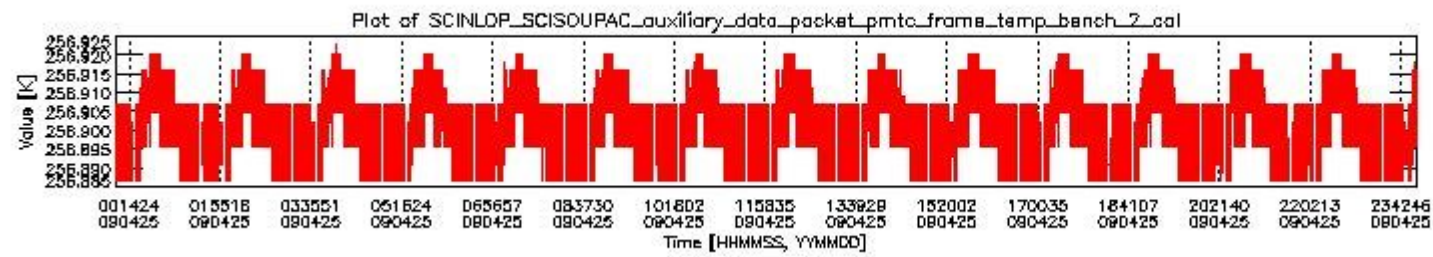
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090424_221956_000061242078_00258_37386_9016.N1	24APR2009 22:19:56	25APR2009 00:01:59	0	0	0	0	0
1	SCI_NL__OPNPDE20090425_000036_000059872078_00259_37387_9017.N1	25APR2009 00:00:36	25APR2009 01:40:23	0	0	0	0	0
2	SCI_NL__OPNPDE20090425_013859_000048492078_00260_37388_9018.N1	25APR2009 01:38:59	25APR2009 02:59:48	0	0	0	0	0
3	SCI_NL__OPNPDE20090425_025839_000058432078_00261_37389_9019.N1	25APR2009 02:58:39	25APR2009 04:36:02	0	0	0	0	0
4	SCI_NL__OPNPDE20090425_043506_000061042078_00262_37390_9020.N1	25APR2009 04:35:06	25APR2009 06:16:51	0	0	0	0	0
5	SCI_NL__OPNPDK20090425_061542_000042252078_00263_37391_1364.N1	25APR2009 06:15:42	25APR2009 07:26:07	0	0	0	0	0
6	SCI_NL__OPNPDK20090425_072511_000060362078_00264_37392_1365.N1	25APR2009 07:25:11	25APR2009 09:05:47	0	0	0	0	0
7	SCI_NL__OPNPDK20090425_090547_000059672078_00265_37393_1366.N1	25APR2009 09:05:47	25APR2009 10:45:14	1	1	0	0	0
8	SCI_NL__OPNPDK20090425_104418_000060362078_00266_37394_1367.N1	25APR2009 10:44:18	25APR2009 12:24:53	0	0	0	0	0
9	SCI_NL__OPNPDK20090425_122357_000060232078_00267_37395_1368.N1	25APR2009 12:23:57	25APR2009 14:04:20	0	0	0	0	0
10	SCI_NL__OPNPDK20090425_140324_000000562078_00268_37396_1369.N1	25APR2009 14:03:24	25APR2009 14:04:20	0	0	0	0	0
11	SCI_NL__OPNPDK20090425_140420_000057312078_00268_37396_1370.N1	25APR2009 14:04:20	25APR2009 15:39:51	0	0	0	0	0
12	SCI_NL__OPNPDK20090425_153747_000060532078_00269_37397_1372.N1	25APR2009 15:37:47	25APR2009 17:18:40	1	1	0	0	0
13	SCI_NL__OPNPDK20090425_171731_000059242078_00270_37398_1373.N1	25APR2009 17:17:31	25APR2009 18:56:15	0	0	0	0	0
14	SCI_NL__OPNPDK20090425_185520_000060742078_00271_37399_1374.N1	25APR2009 18:55:20	25APR2009 20:36:33	0	0	0	0	0
15	SCI_NL__OPNPDE20090425_203442_000045432078_00272_37400_9021.N1	25APR2009 20:34:42	25APR2009 21:50:25	0	0	0	0	0
16	SCI_NL__OPNPDE20090425_214857_000061702078_00272_37400_9022.N1	25APR2009 21:48:57	25APR2009 23:31:47	0	0	0	0	0
17	SCI_NL__OPNPDE20090425_233016_000060352078_00273_37401_9023.N1	25APR2009 23:30:16	26APR2009 01:10:52	0	0	0	0	0

0.2 Product Quality Indicators

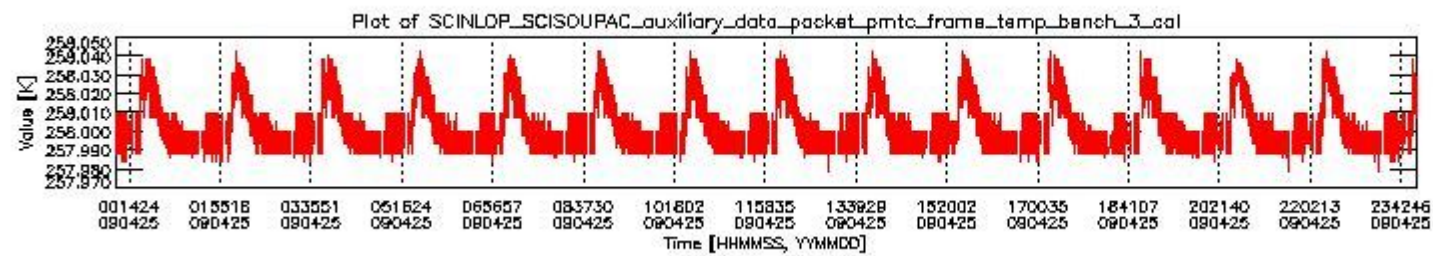
This section shows information about product quality, currently temperatures.



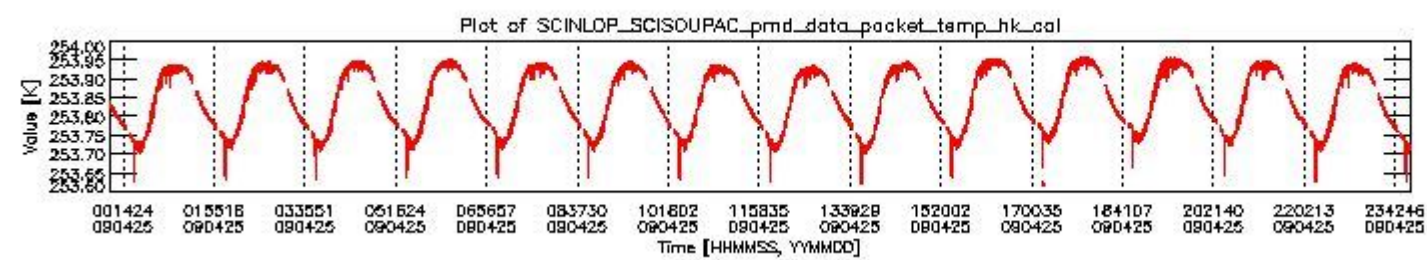
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090425_0.PNG



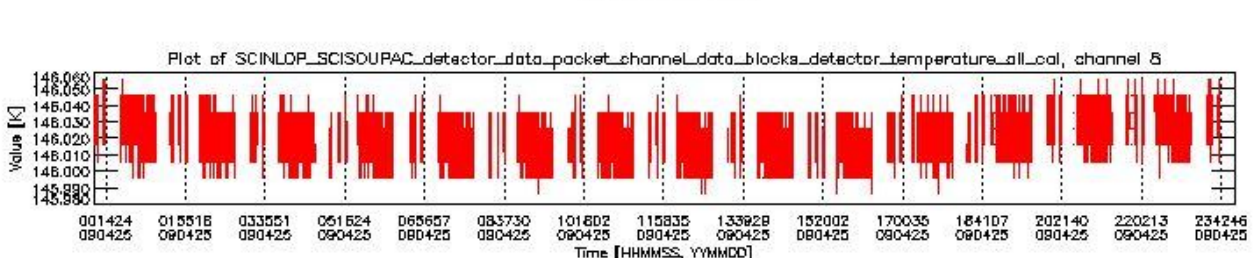
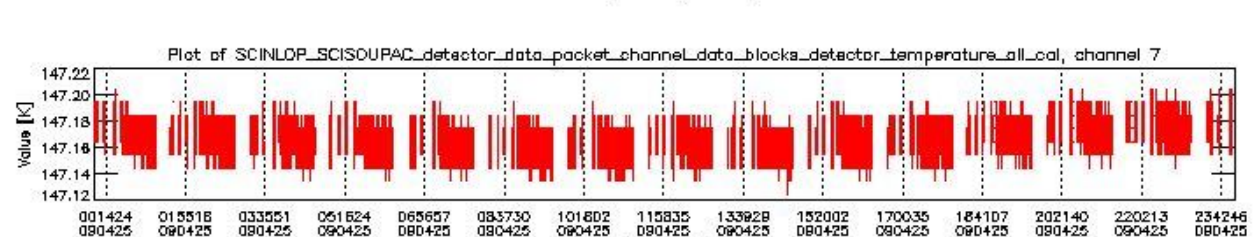
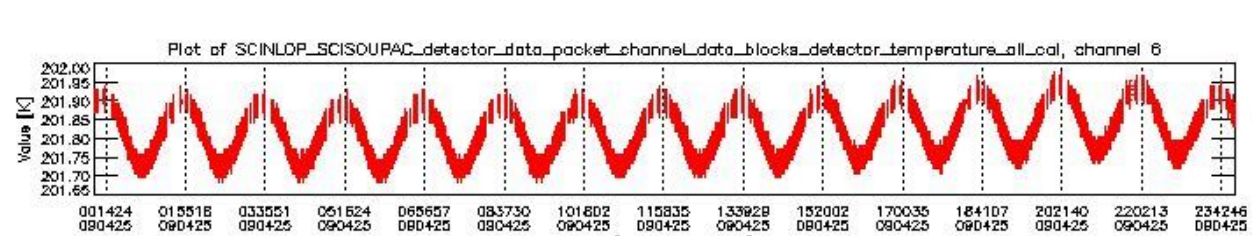
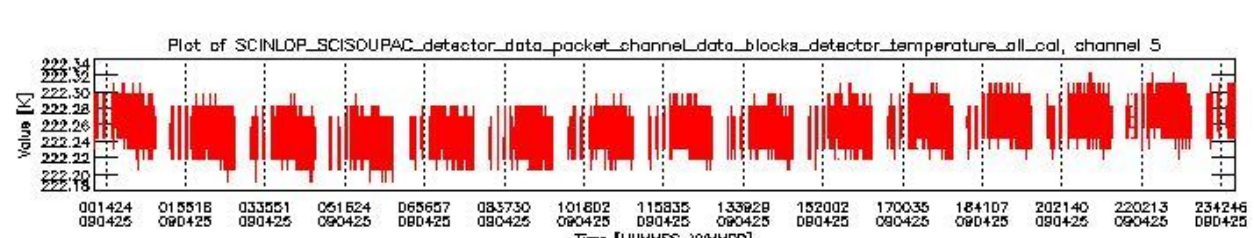
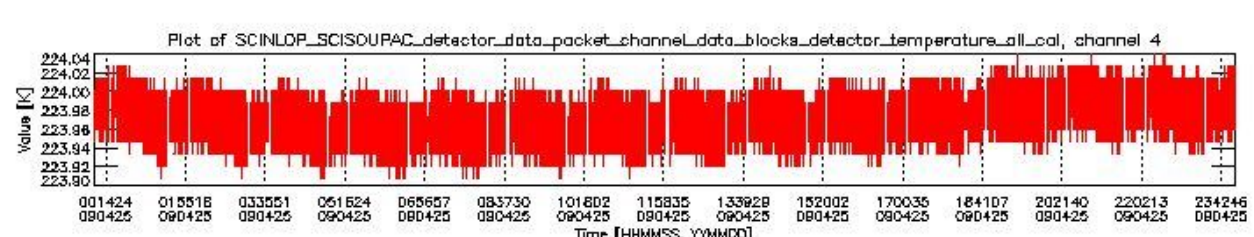
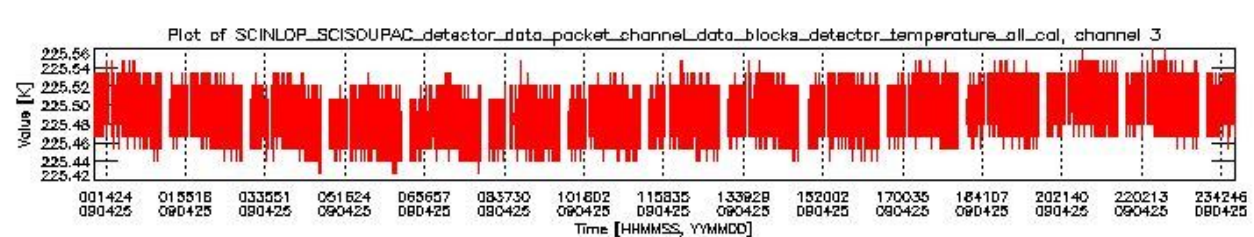
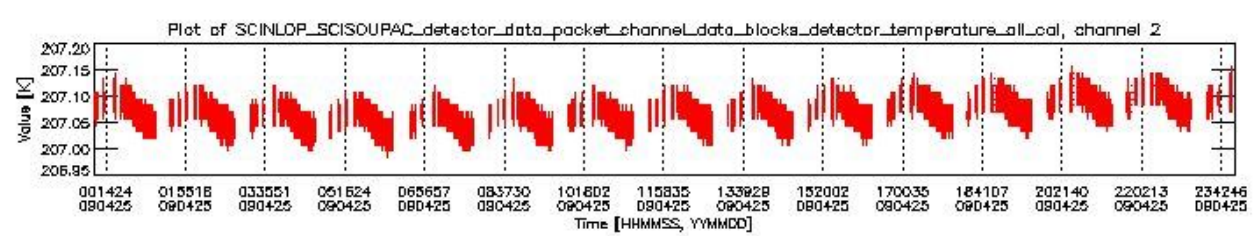
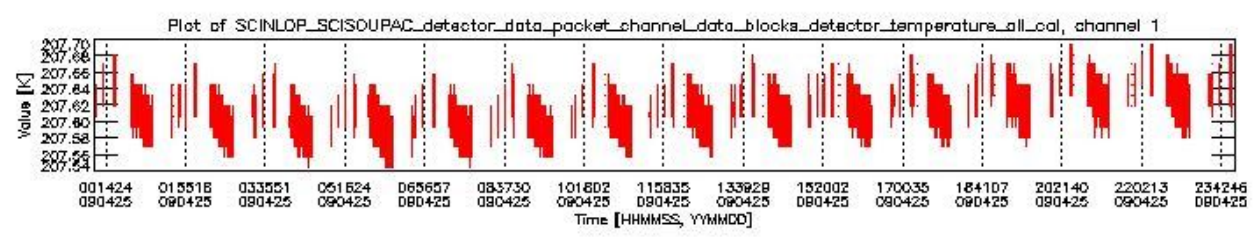
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090425_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090425_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090425_3.PNG

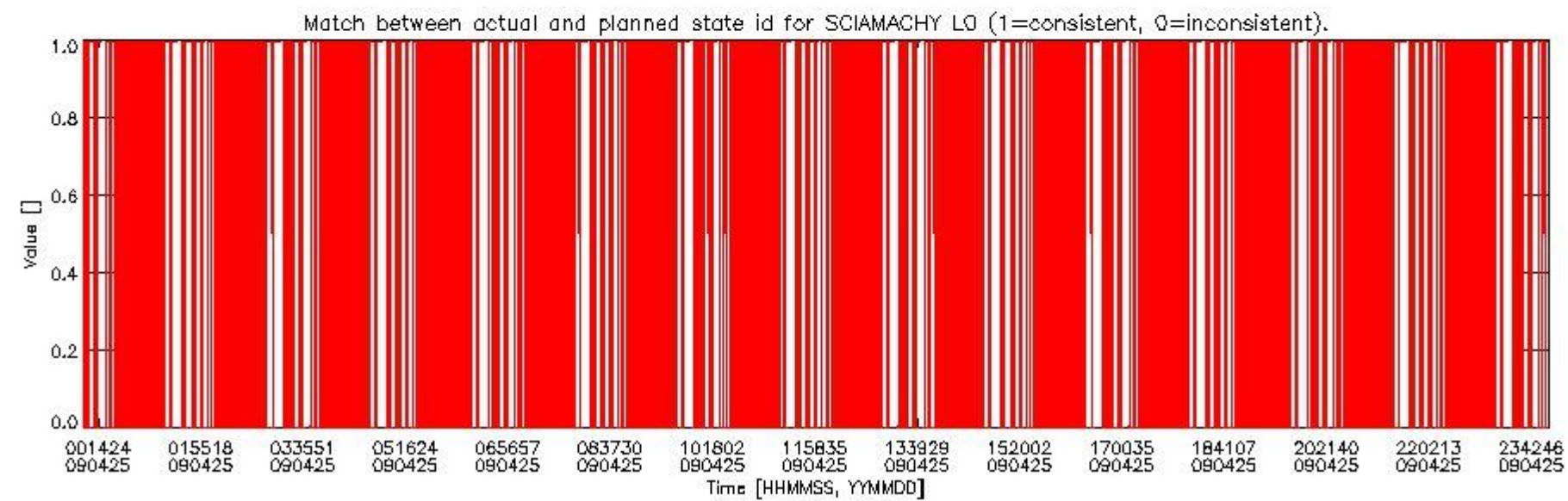
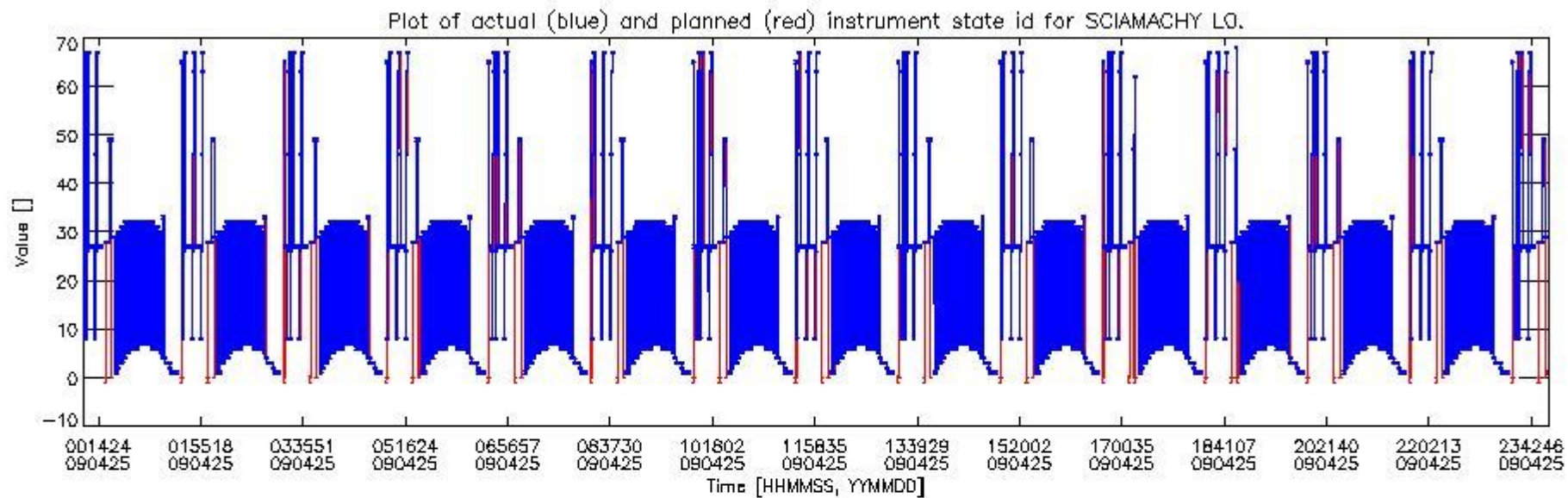


0.3 State monitoring

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: **52340**

#	Actual time	Actual value	Planned time	Planned value
0	25APR2009 00:00:02.837361	63	25APR2009 00:00:02.837361	46
1	25APR2009 00:00:03.462383	63	25APR2009 00:00:03.462383	46
2	25APR2009 00:00:03.962360	63	25APR2009 00:00:03.962360	46
3	25APR2009 00:00:04.462378	63	25APR2009 00:00:04.462378	46
4	25APR2009 00:00:04.962355	63	25APR2009 00:00:04.962355	46
5	25APR2009 00:00:05.462372	63	25APR2009 00:00:05.462372	46
6	25APR2009 00:00:05.962390	63	25APR2009 00:00:05.962390	46
7	25APR2009 00:00:06.462367	63	25APR2009 00:00:06.462367	46
8	25APR2009 00:00:06.962384	63	25APR2009 00:00:06.962384	46
9	25APR2009 00:00:07.462361	63	25APR2009 00:00:07.462361	46
10	25APR2009 00:00:07.837375	63	25APR2009 00:00:07.837375	46
11	25APR2009 00:00:07.962379	63	25APR2009 00:00:07.962379	46
12	25APR2009 00:00:08.462356	63	25APR2009 00:00:08.462356	46
13	25APR2009 00:00:08.962373	63	25APR2009 00:00:08.962373	46
14	25APR2009 00:00:09.462391	63	25APR2009 00:00:09.462391	46
15	25APR2009 00:00:09.962368	63	25APR2009 00:00:09.962368	46
16	25APR2009 00:00:10.462385	63	25APR2009 00:00:10.462385	46
17	25APR2009 00:00:10.962363	63	25APR2009 00:00:10.962363	46
18	25APR2009 00:00:11.462380	63	25APR2009 00:00:11.462380	46
19	25APR2009 00:00:11.962357	63	25APR2009 00:00:11.962357	46

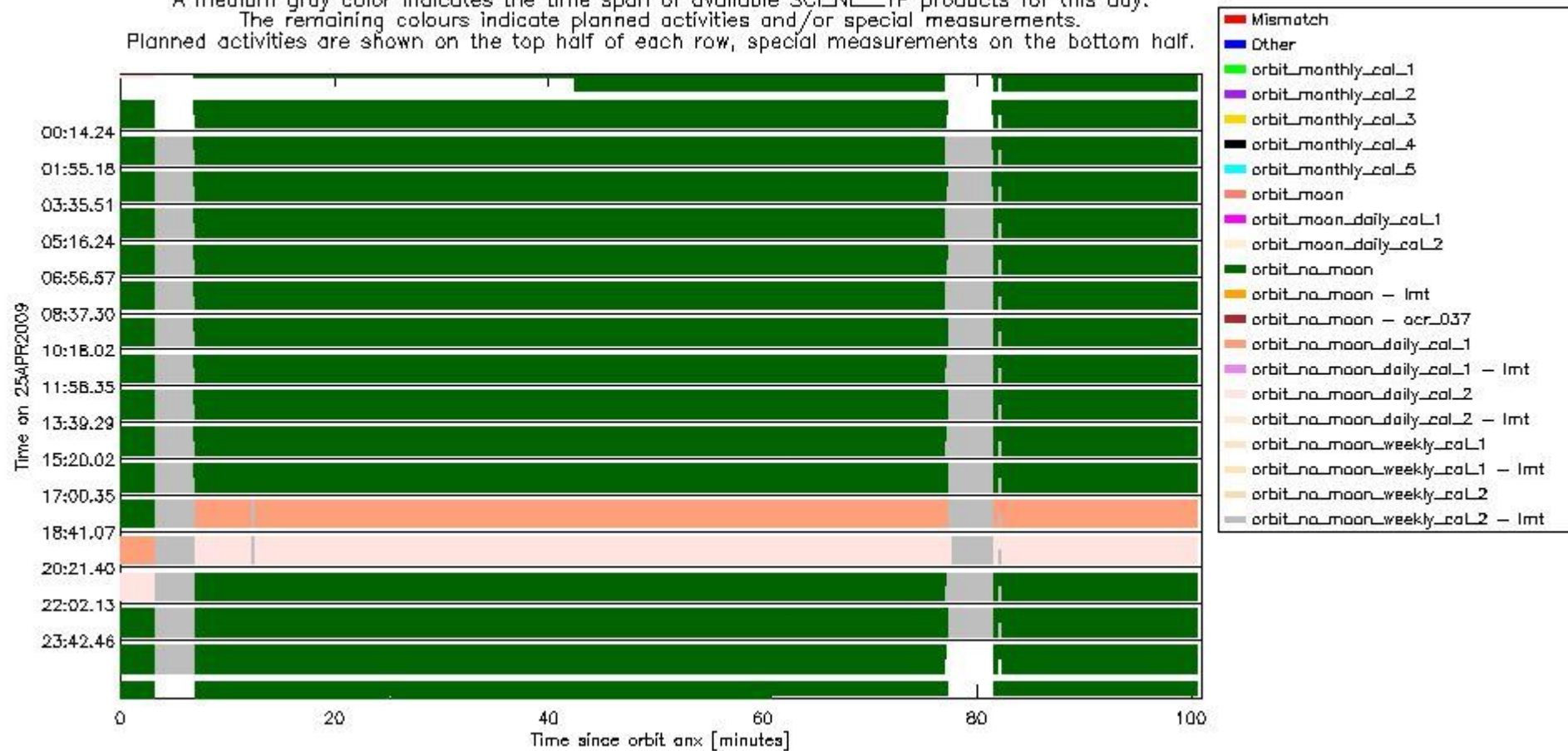


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090425_5.PNG

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 25APR2009.
 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_20090425_6.PNG

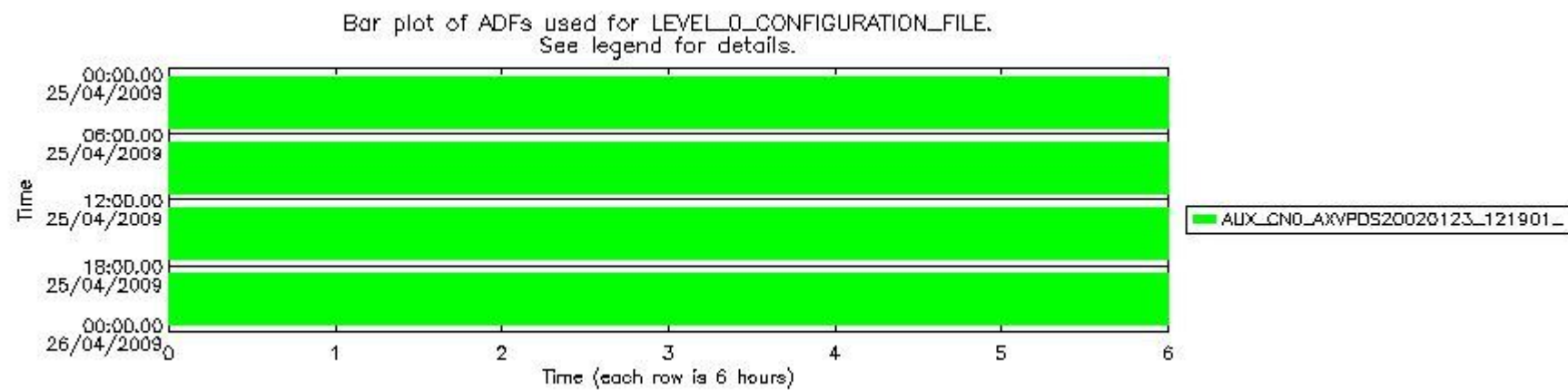
0.4 ADF monitoring

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

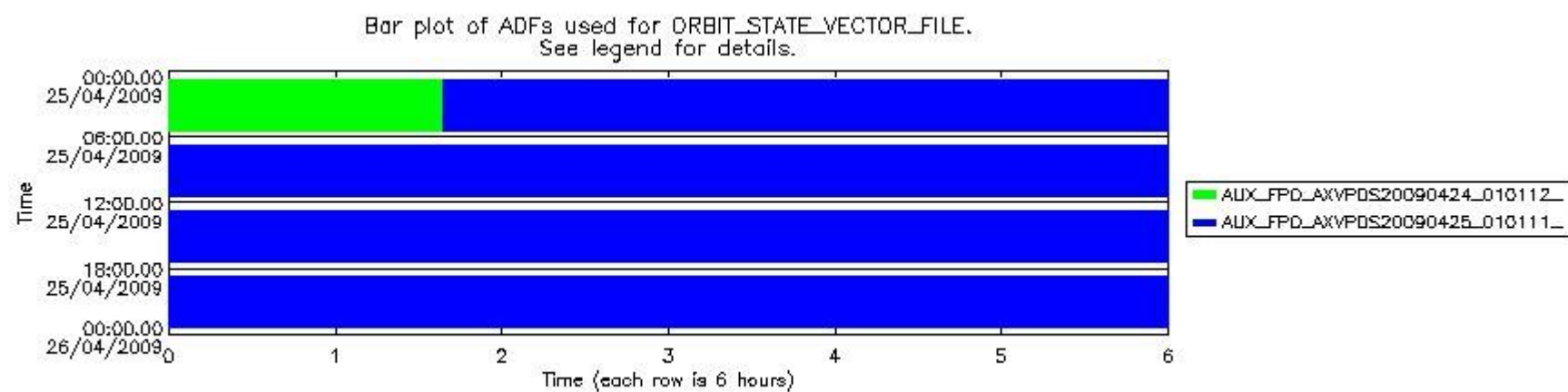
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

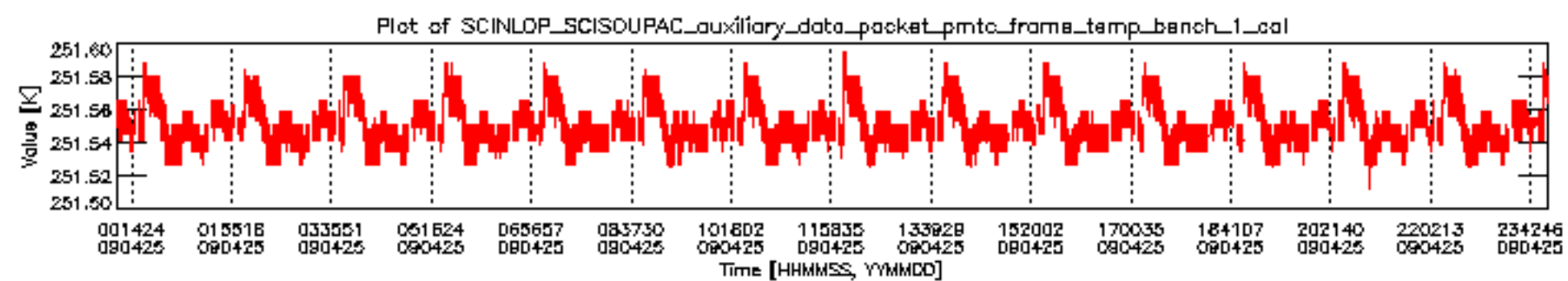
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090424_010112_20090423_194421_20090503_211036
2	AUX_FPO_AXVPDS20090425_010111_20090424_191244_20090504_203859

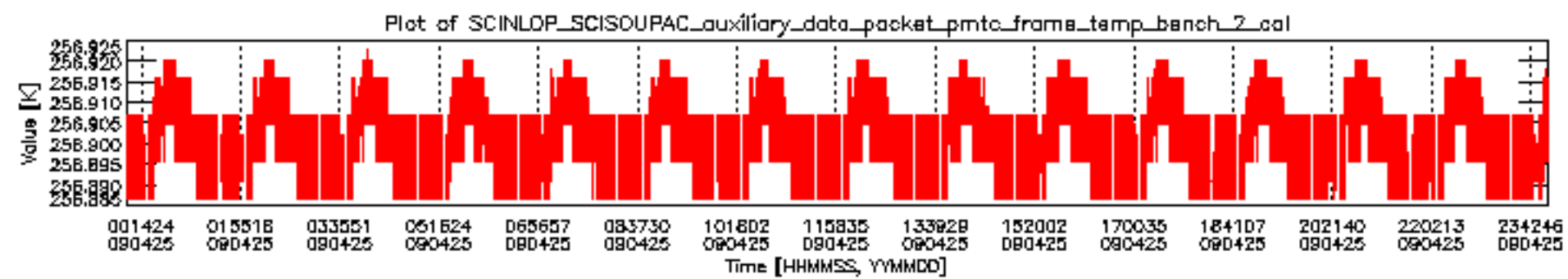


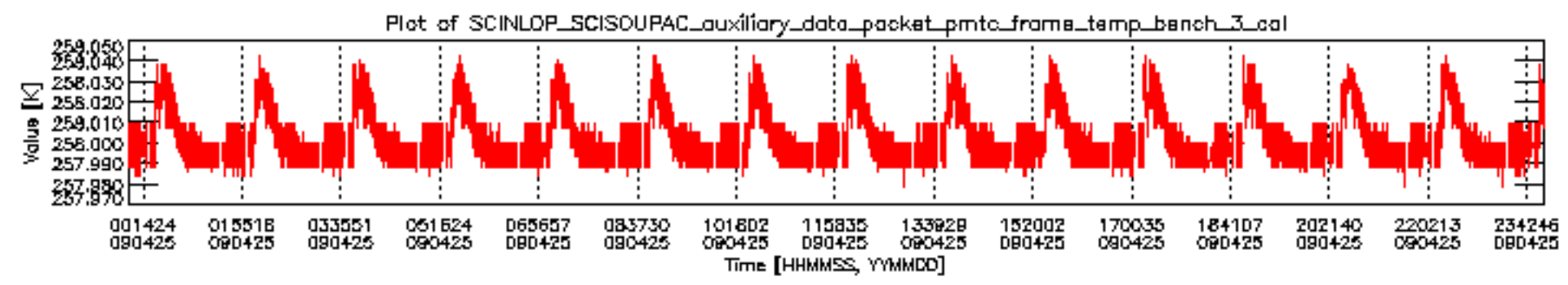
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090425_7.PNG

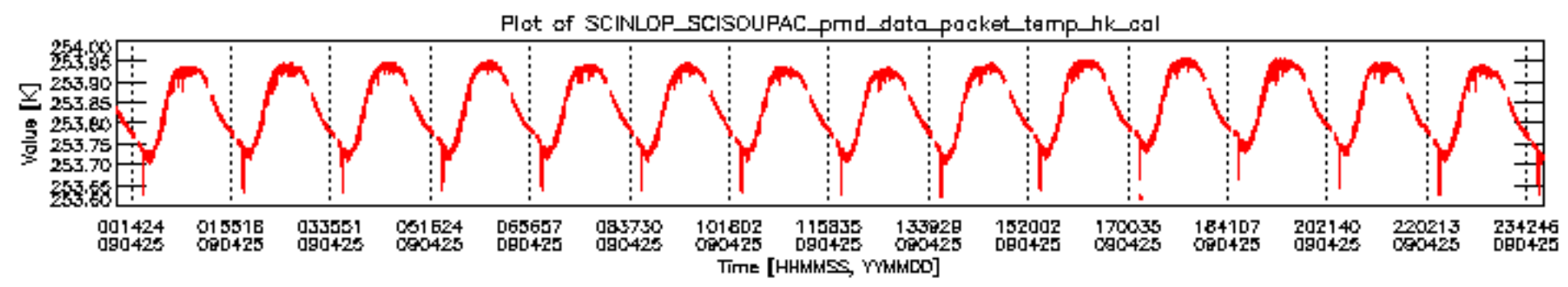


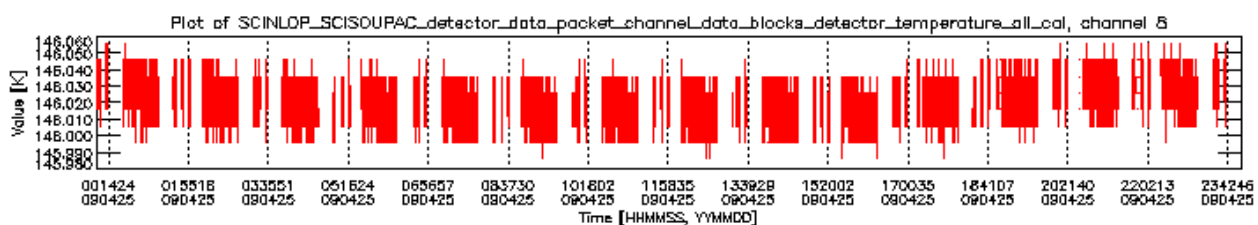
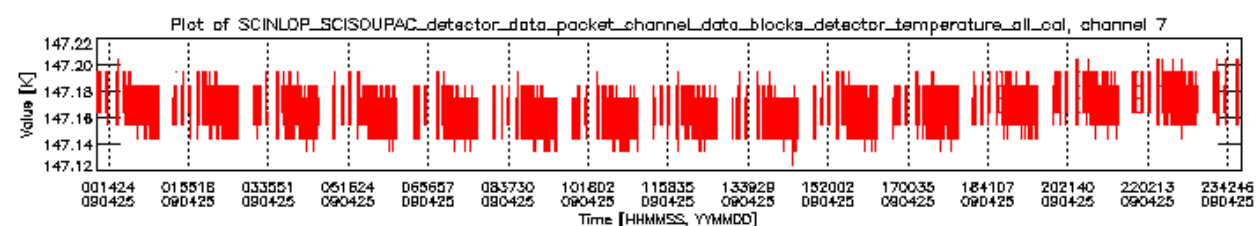
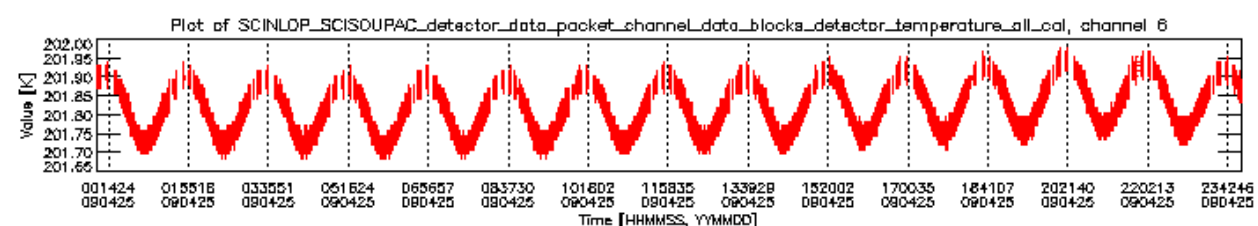
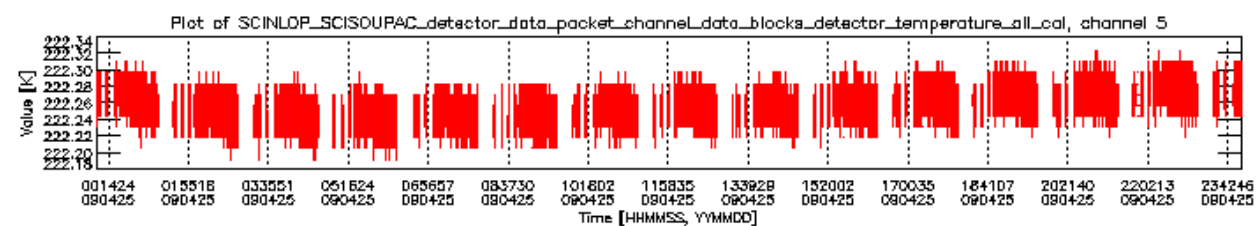
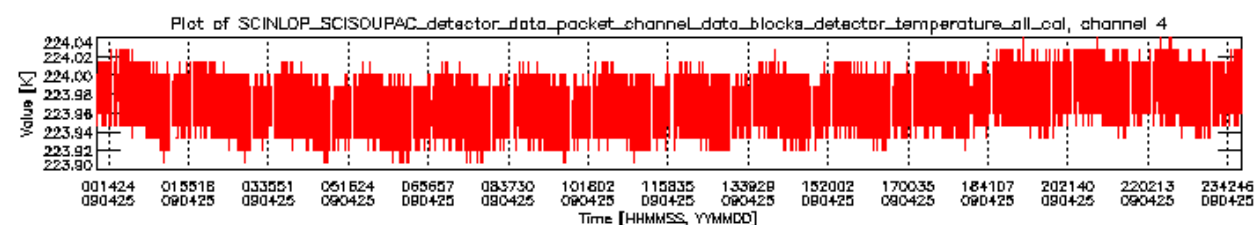
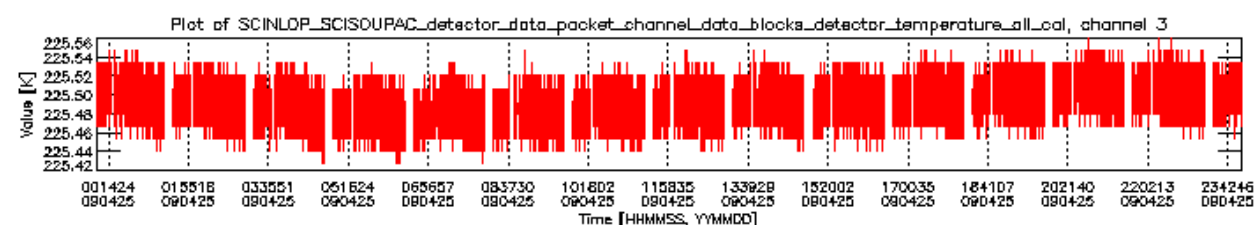
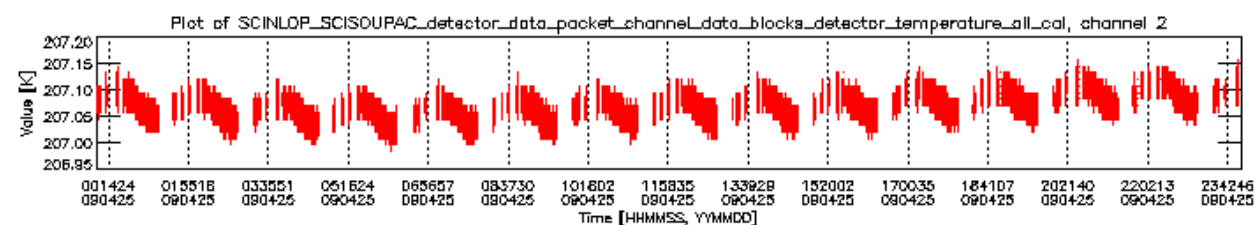
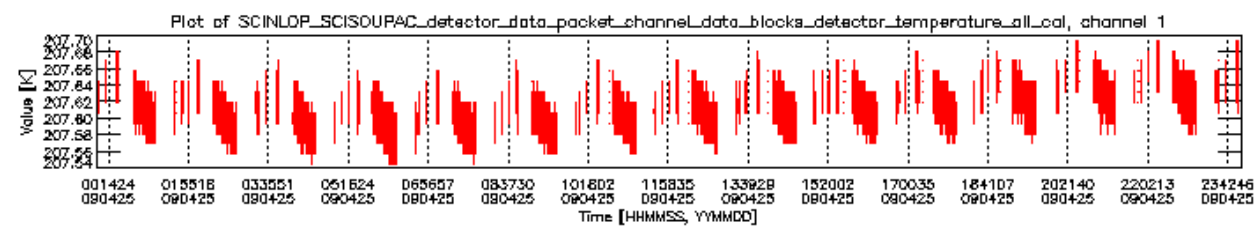
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090425_8.PNG

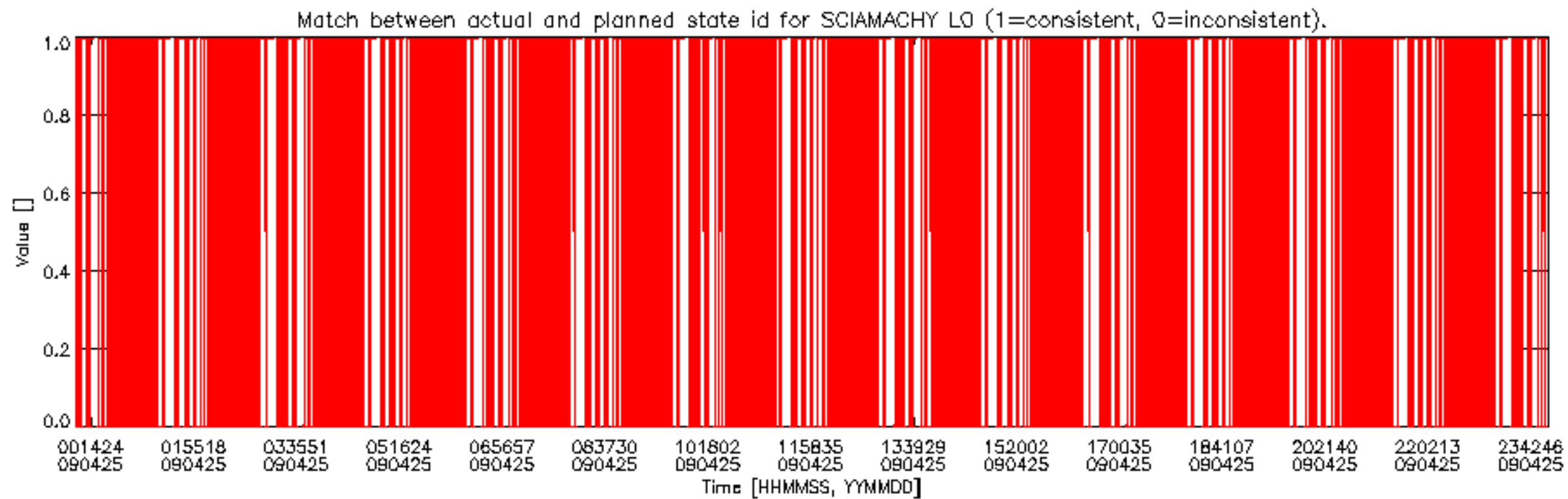
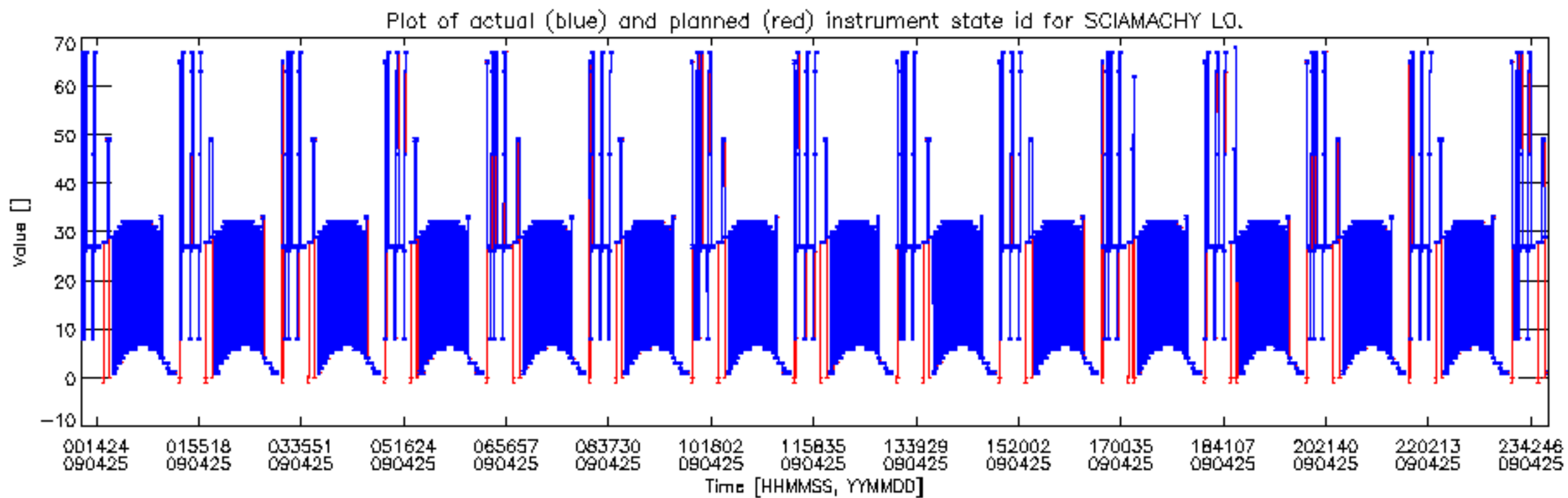












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