

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	11APR2008 05:09:30
Data source version	KSPT_L0/4303-N
Processing scope for products	07APR2008 00:00:00 to 08APR2008 00:00:00
Start time of first product within scope	06APR2008 23:32:00
Stop time of last product within scope	08APR2008 00:08:21
Total number of level 0 products	14
Number of level 0 products with errors	8

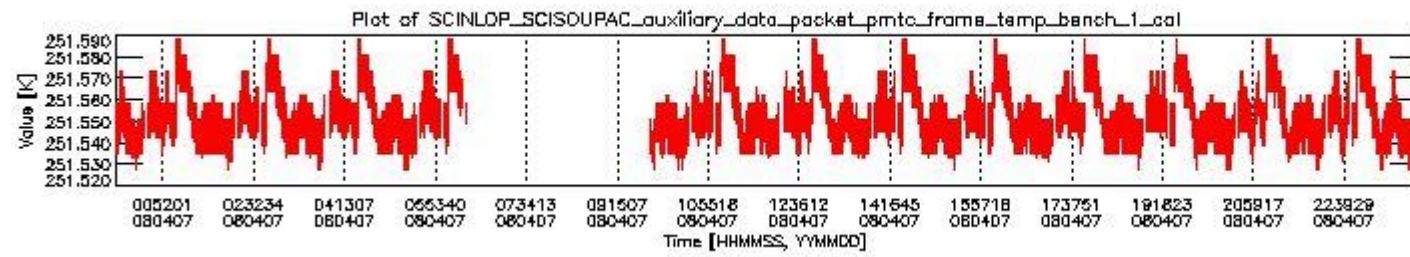
0.1.2 Summary per product

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

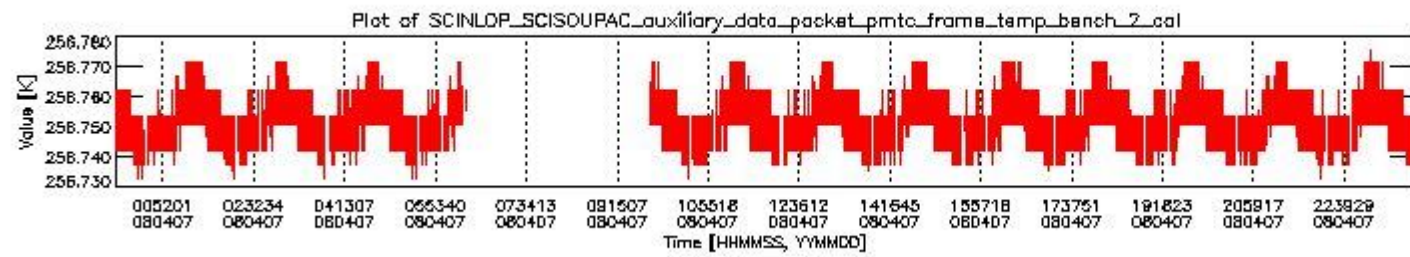
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080406_233200_000064652067_00288_31905_6366.N1	06APR2008 23:32:00	07APR2008 01:19:45	1	0	1	0	0
1	SCI_NL__OPNPDE20080407_011427_000064212067_00289_31906_6367.N1	07APR2008 01:14:27	07APR2008 03:01:29	1	1	1	0	0
2	SCI_NL__OPNPDE20080407_025816_000063402067_00290_31907_6368.N1	07APR2008 02:58:16	07APR2008 04:43:56	1	0	1	0	0
3	SCI_NL__OPNPDE20080407_043947_000064222067_00291_31908_6369.N1	07APR2008 04:39:47	07APR2008 06:26:49	1	0	1	0	0
4	SCI_NL__OPNPDK20080407_062132_000125692067_00292_31909_7884.N1	07APR2008 06:21:32	07APR2008 09:51:00	1	1	1	0	0
5	SCI_NL__OPNPDK20080407_095004_000055942067_00294_31911_7885.N1	07APR2008 09:50:04	07APR2008 11:23:18	0	0	0	0	0
6	SCI_NL__OPNPDK20080407_112209_000060482067_00295_31912_7886.N1	07APR2008 11:22:09	07APR2008 13:02:58	0	0	0	0	0
7	SCI_NL__OPNPDK20080407_130258_000057742067_00296_31913_7887.N1	07APR2008 13:02:58	07APR2008 14:39:12	0	0	0	0	0
8	SCI_NL__OPNPDK20080407_143816_000060362067_00297_31914_7888.N1	07APR2008 14:38:16	07APR2008 16:18:51	1	1	1	0	0
9	SCI_NL__OPNPDK20080407_161755_000058632067_00298_31915_7889.N1	07APR2008 16:17:55	07APR2008 17:55:38	1	1	1	0	0
10	SCI_NL__OPNPDK20080407_175442_000059802067_00299_31916_7891.N1	07APR2008 17:54:42	07APR2008 19:34:22	1	0	1	0	0
11	SCI_NL__OPNPDE20080407_193326_000042122067_00300_31917_6276.N1	07APR2008 19:33:26	07APR2008 20:43:38	0	0	0	0	0
12	SCI_NL__OPNPDE20080407_204254_000063752067_00300_31917_6277.N1	07APR2008 20:42:54	07APR2008 22:29:10	0	0	0	0	0
13	SCI_NL__OPNPDE20080407_222825_000059962067_00301_31918_6278.N1	07APR2008 22:28:25	08APR2008 00:08:21	0	0	0	0	0

0.2 Product Quality Indicators

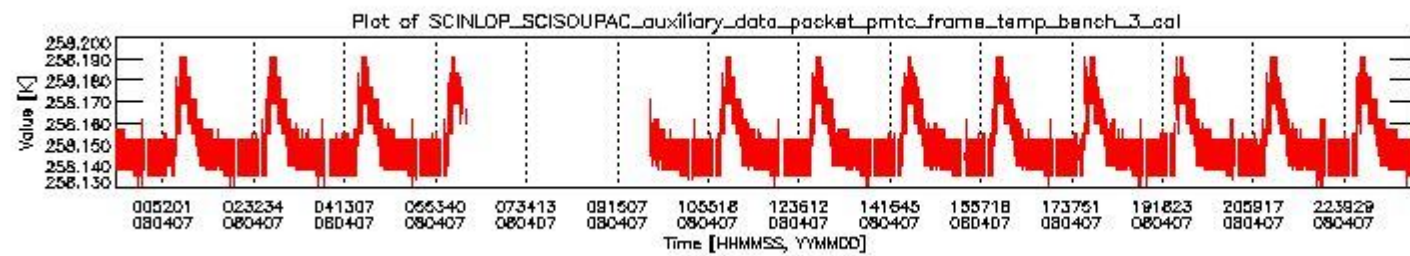
This section shows information about product quality, currently temperatures.



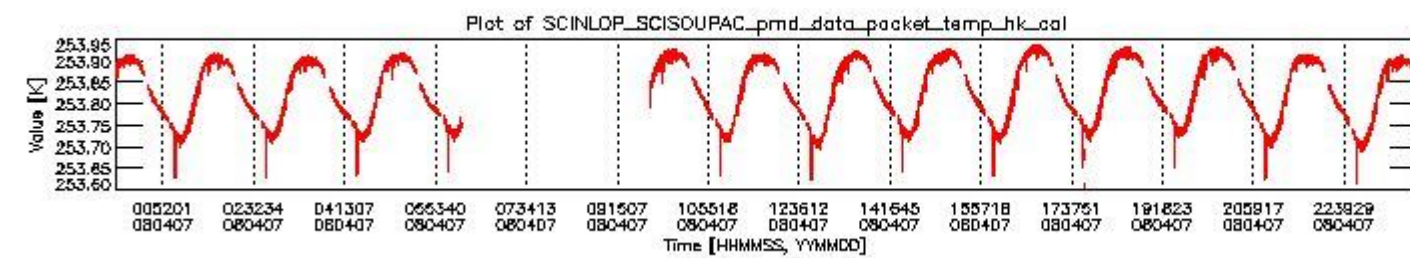
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080407_0.PNG



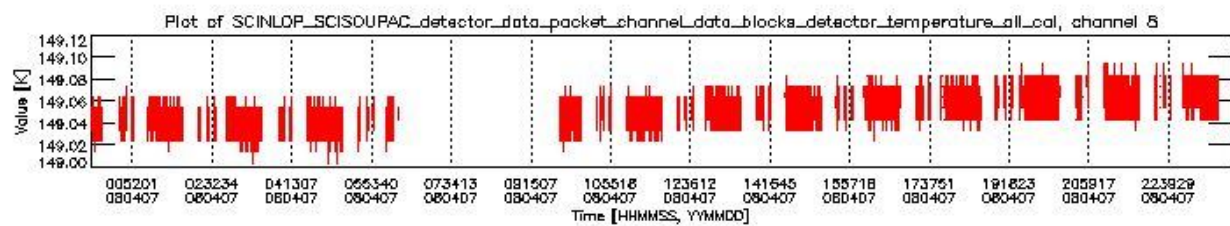
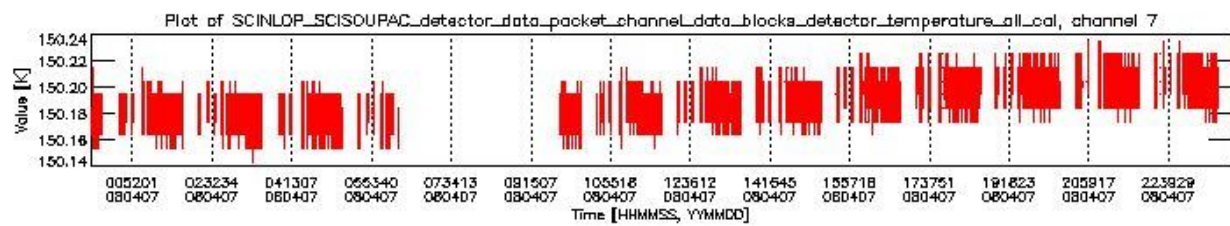
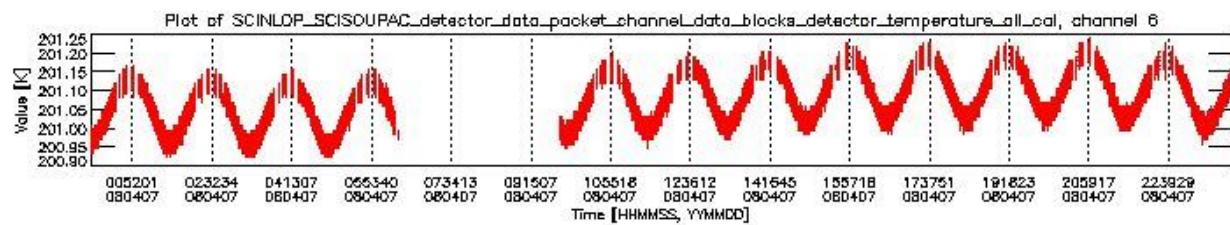
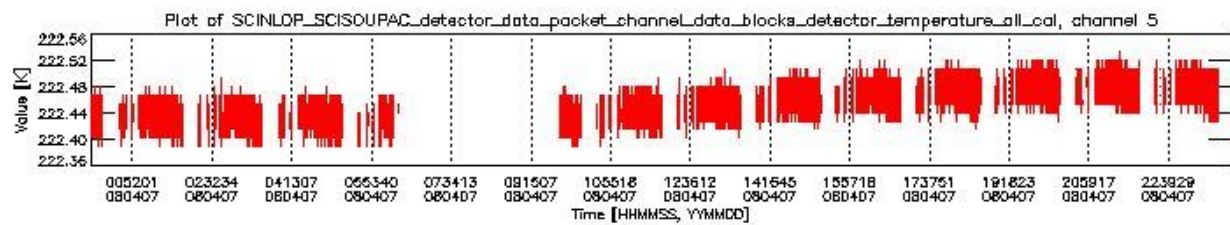
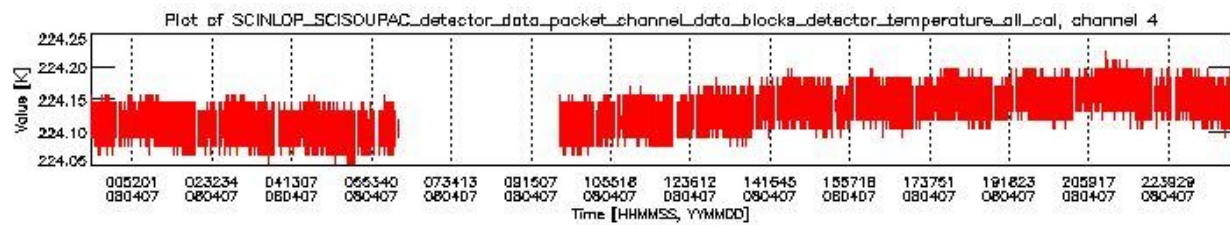
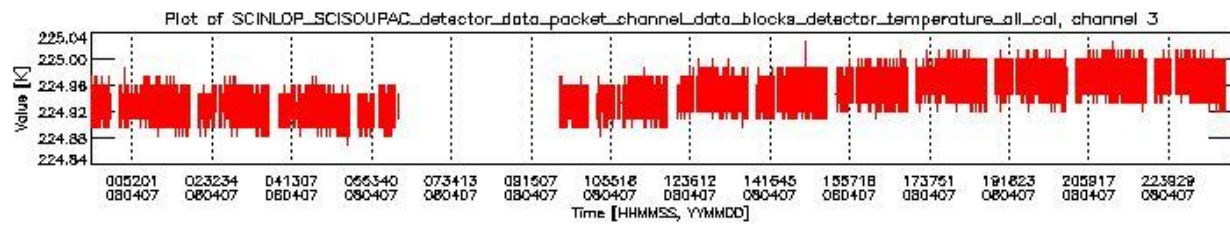
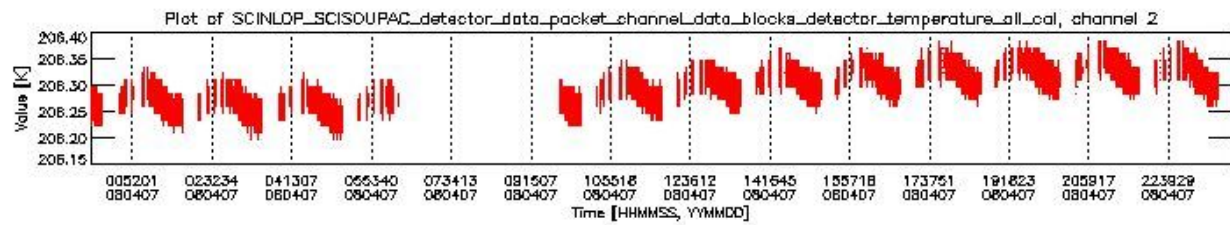
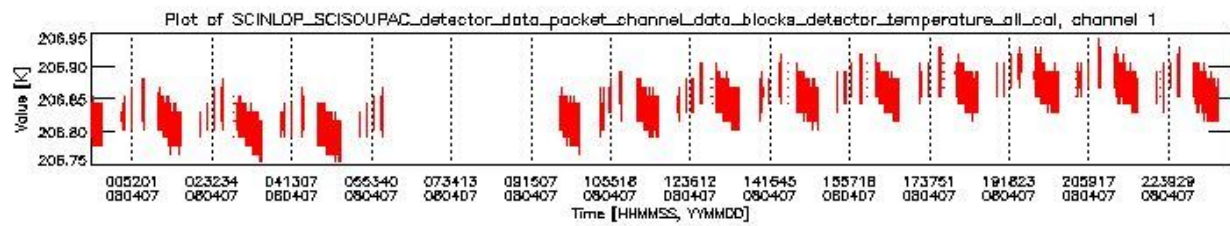
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080407_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080407_3.PNG

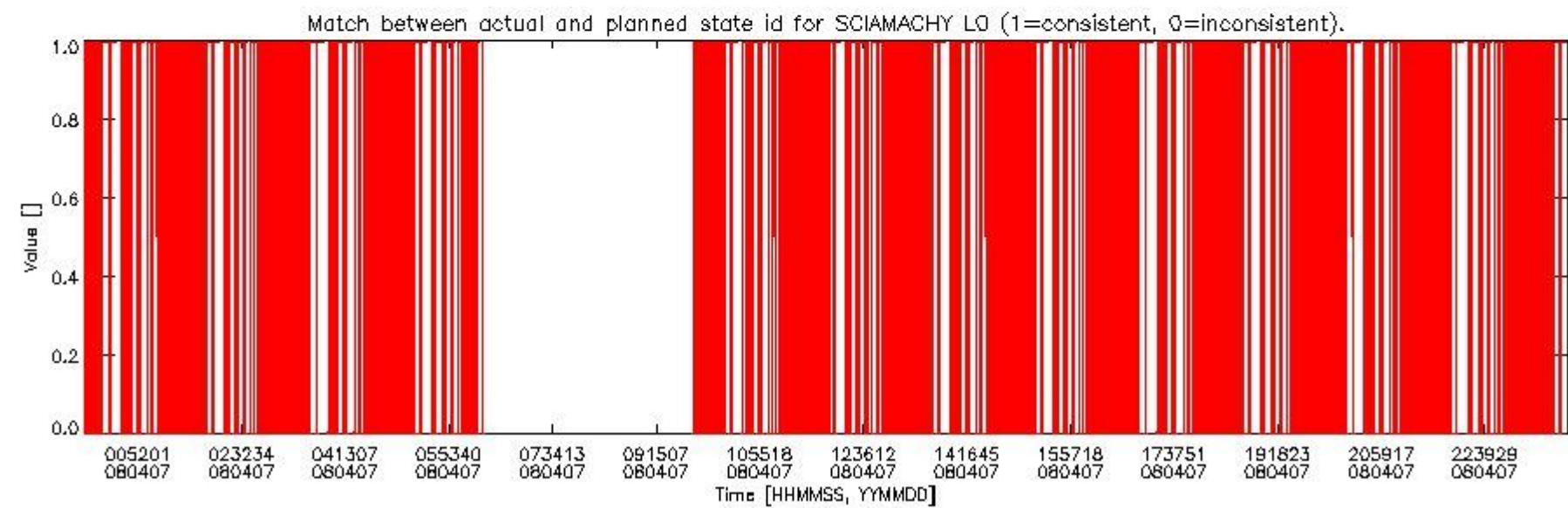
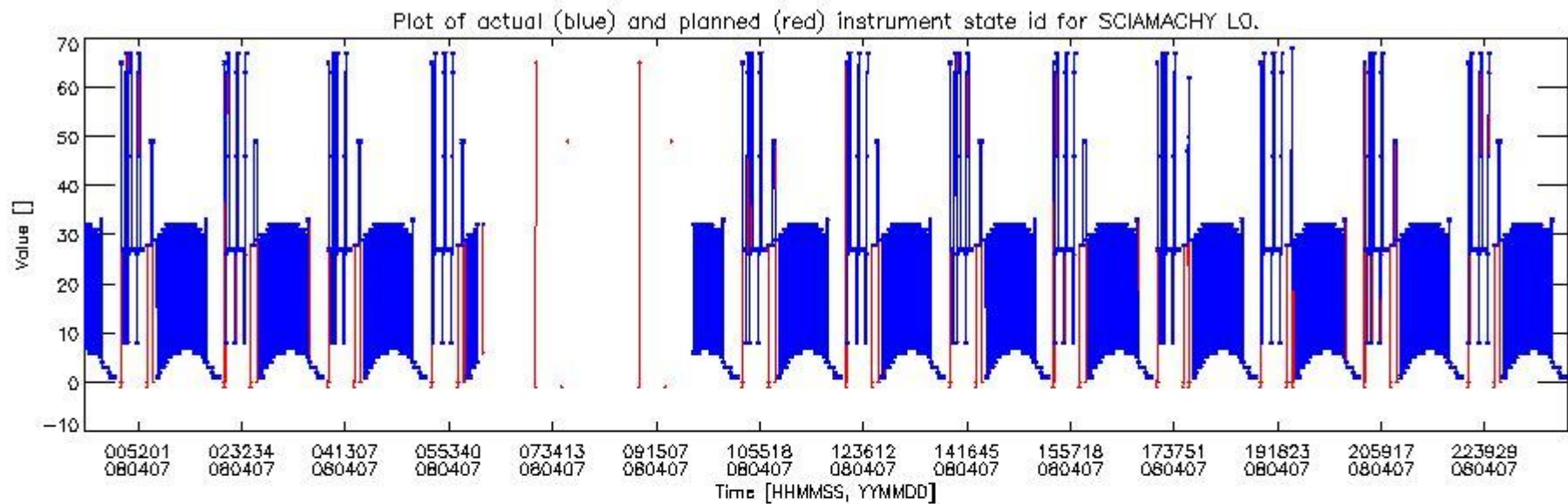


0.3 State monitoring

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: **31498**

#	Actual time	Actual value	Planned time	Planned value
0	07APR2008 00:00:00.128263	7	07APR2008 00:00:00.128263	32
1	07APR2008 00:00:00.378272	7	07APR2008 00:00:00.378272	32
2	07APR2008 00:00:00.628281	7	07APR2008 00:00:00.628281	32
3	07APR2008 00:00:00.878289	7	07APR2008 00:00:00.878289	32
4	07APR2008 00:00:01.128298	7	07APR2008 00:00:01.128298	32
5	07APR2008 00:00:01.378267	7	07APR2008 00:00:01.378267	32
6	07APR2008 00:00:01.628275	7	07APR2008 00:00:01.628275	32
7	07APR2008 00:00:01.878284	7	07APR2008 00:00:01.878284	32
8	07APR2008 00:00:02.128293	7	07APR2008 00:00:02.128293	32
9	07APR2008 00:01:02.807988	32	07APR2008 00:01:02.807988	7
10	07APR2008 00:01:03.432969	32	07APR2008 00:01:03.432969	7
11	07APR2008 00:01:03.807982	32	07APR2008 00:01:03.807982	7
12	07APR2008 00:01:04.182995	32	07APR2008 00:01:04.182995	7
13	07APR2008 00:01:04.745495	32	07APR2008 00:01:04.745495	7
14	07APR2008 00:01:05.120468	32	07APR2008 00:01:05.120468	7
15	07APR2008 00:01:05.495481	32	07APR2008 00:01:05.495481	7
16	07APR2008 00:01:05.870494	32	07APR2008 00:01:05.870494	7
17	07APR2008 00:01:06.432993	32	07APR2008 00:01:06.432993	7
18	07APR2008 00:01:06.807966	32	07APR2008 00:01:06.807966	7
19	07APR2008 00:01:07.182979	32	07APR2008 00:01:07.182979	7

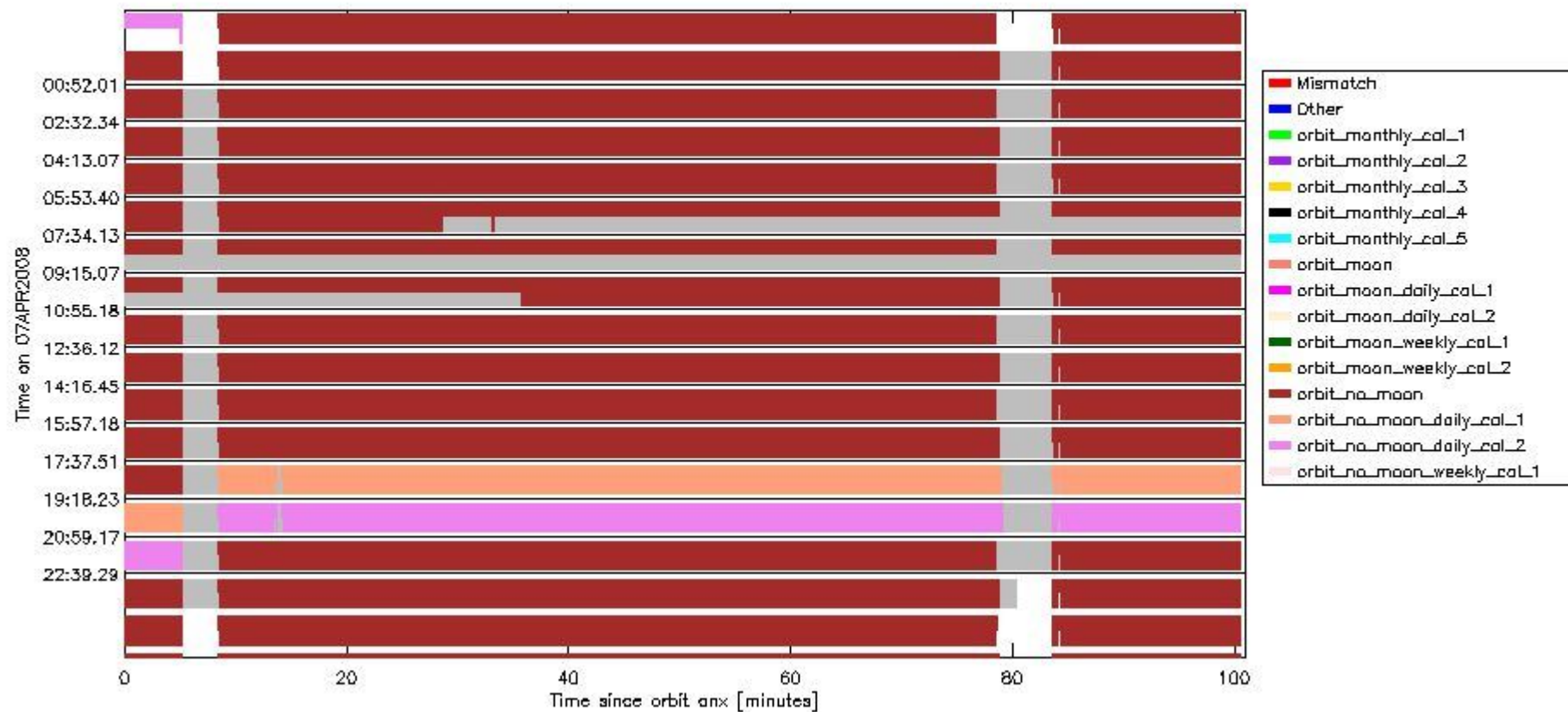


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080407_5.PNG

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 07APR2008.
 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_20080407_6.PNG

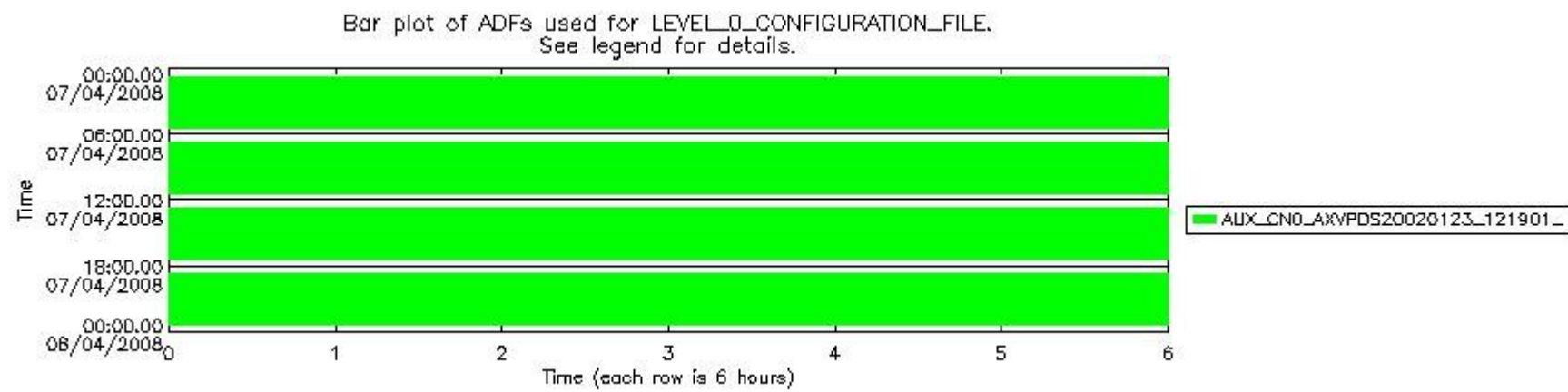
0.4 ADF monitoring

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

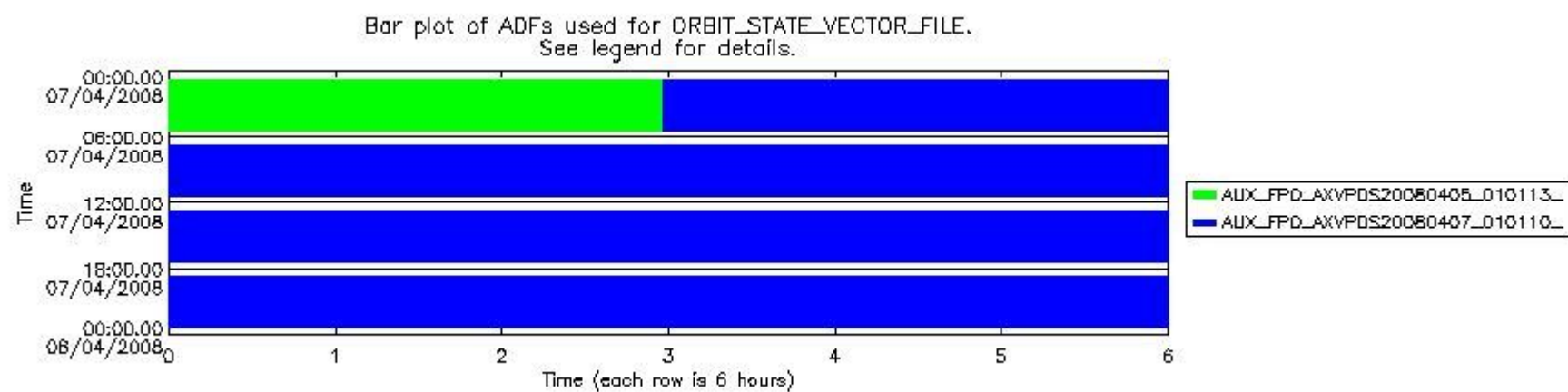
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

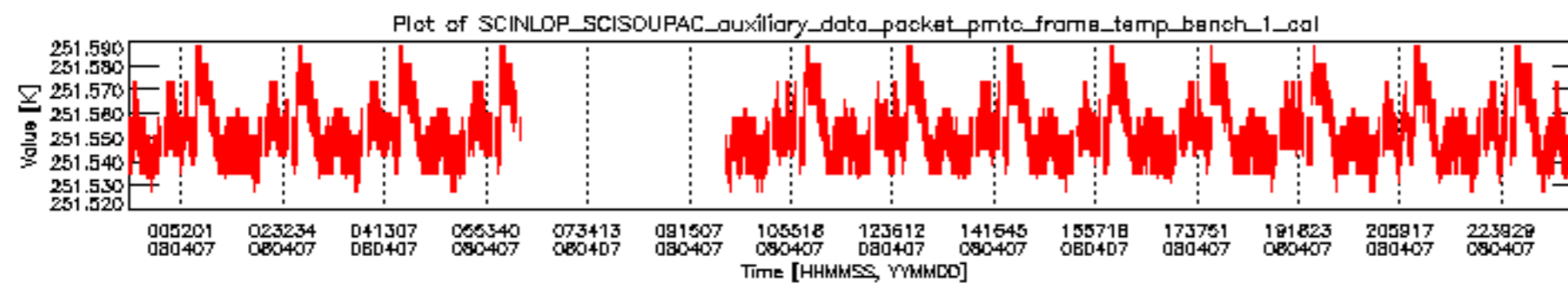
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080405_010113_20080404_191248_20080414_203900
2	AUX_FPO_AXVPDS20080407_010110_20080406_195010_20080416_211622

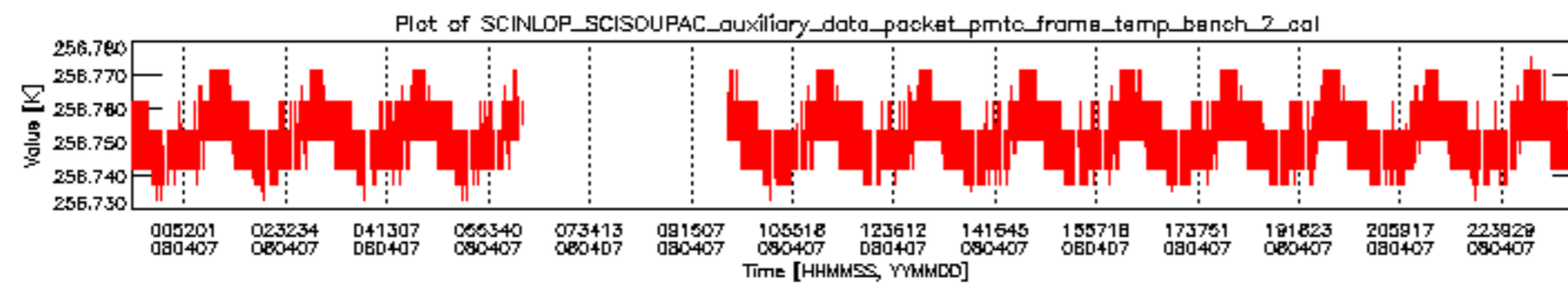


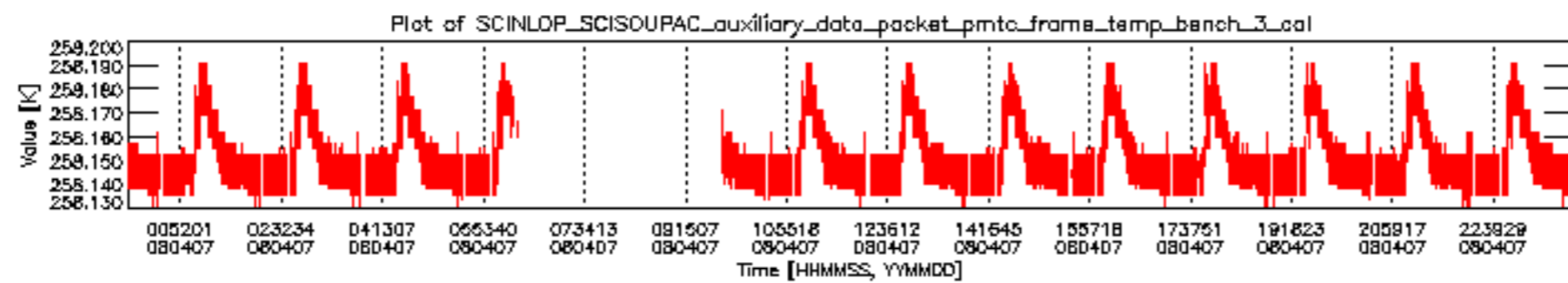
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080407_7.PNG

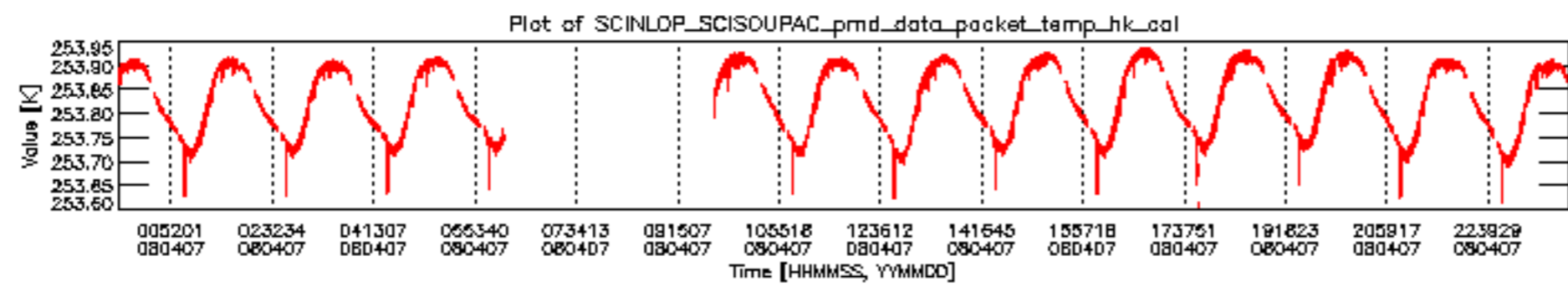


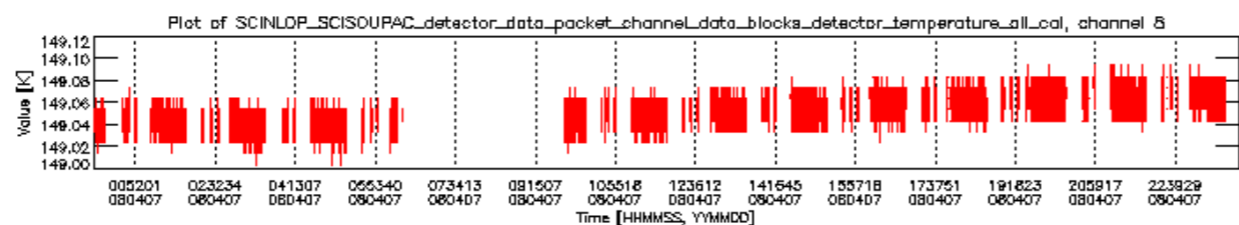
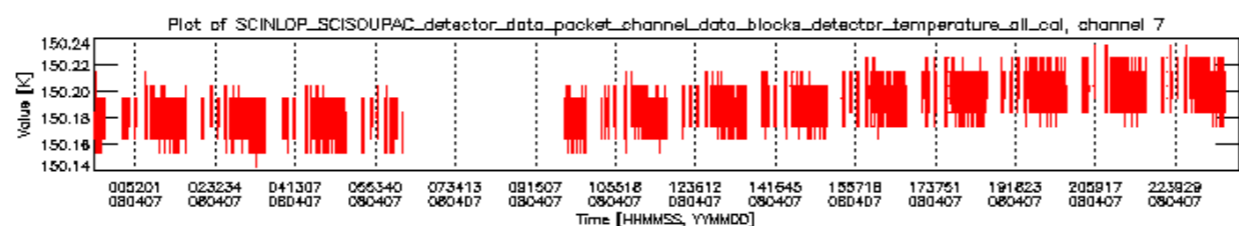
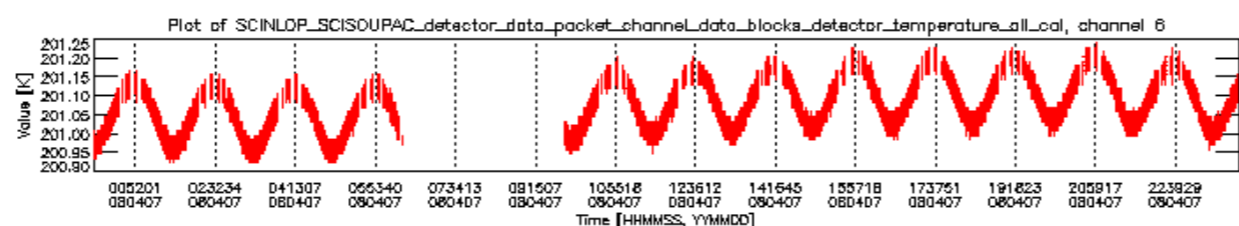
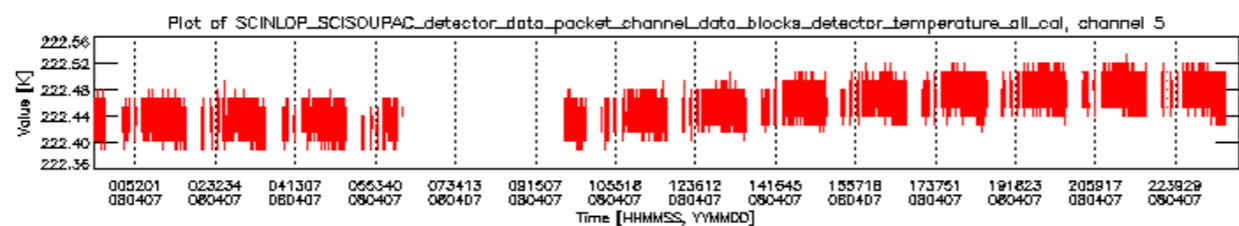
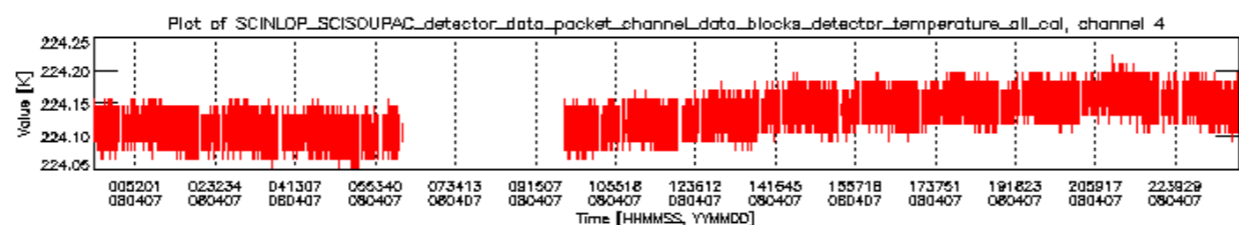
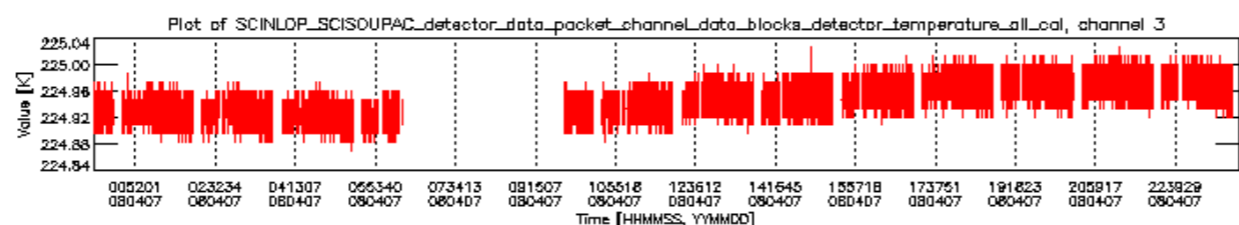
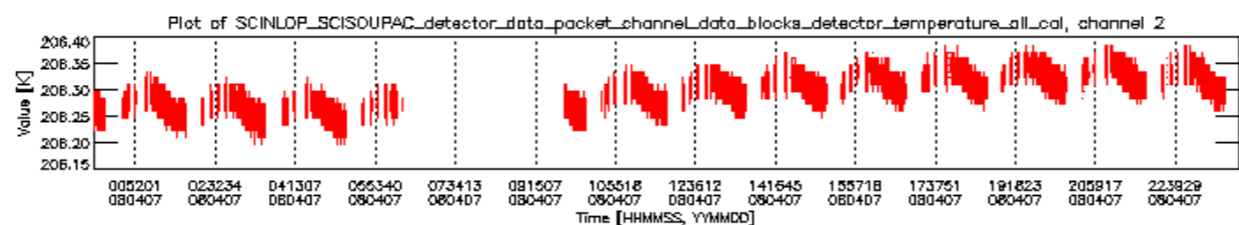
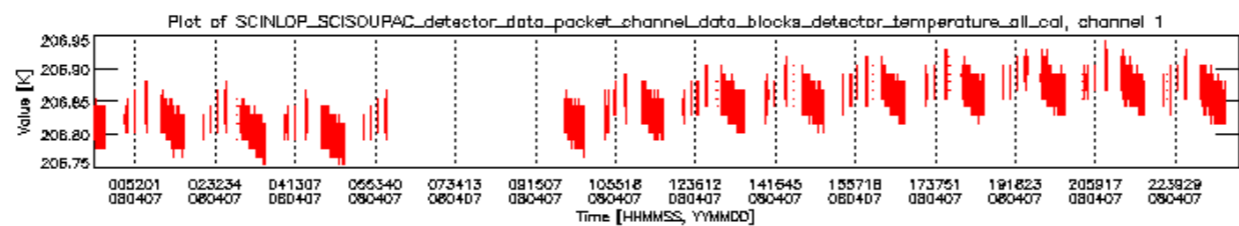
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080407_8.PNG

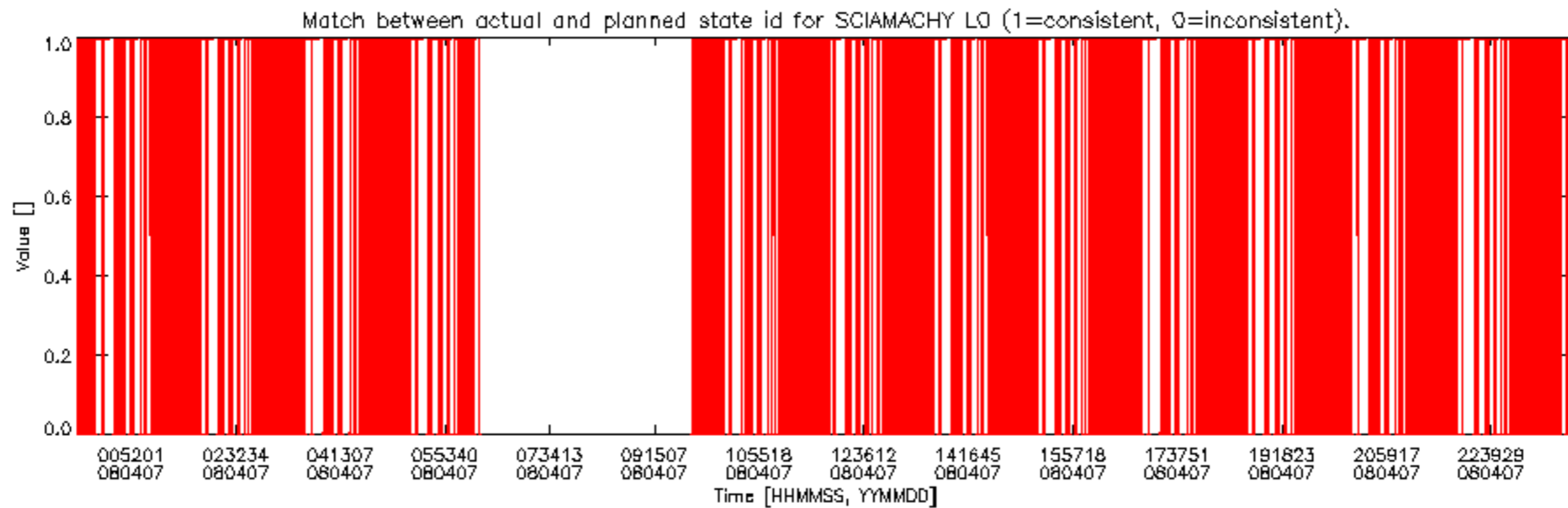
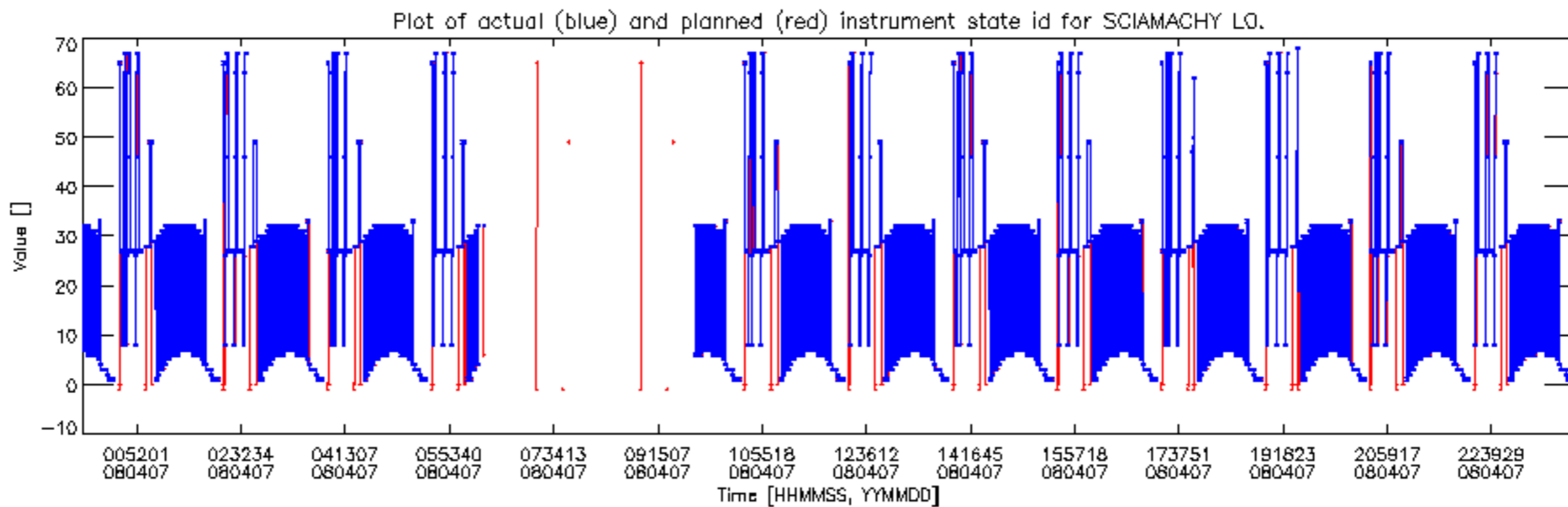












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