

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	13APR2008 05:51:01
Data source version	KSPT_L0/4303-N
Processing scope for products	09APR2008 00:00:00 to 10APR2008 00:00:00
Start time of first product within scope	08APR2008 23:36:03
Stop time of last product within scope	10APR2008 00:45:23
Total number of level 0 products	15
Number of level 0 products with errors	0

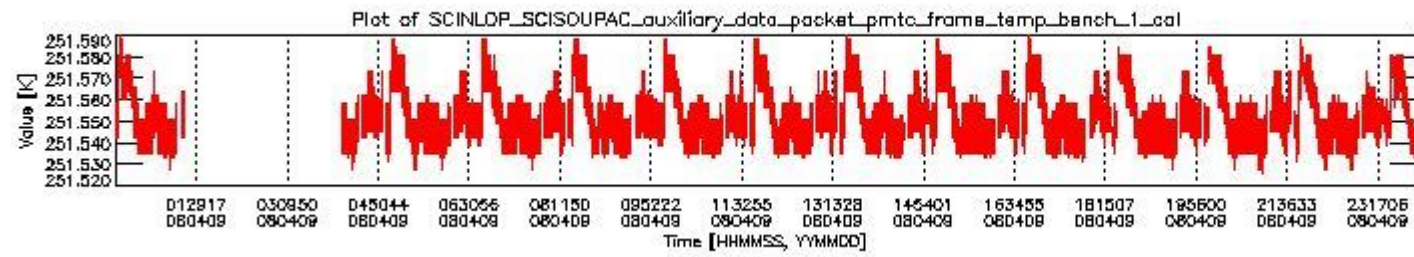
0.1.2 Summary per product

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

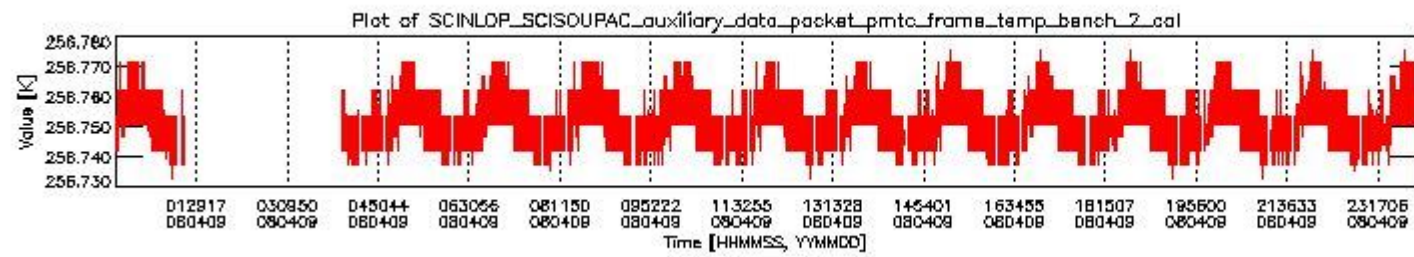
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080408_233603_000060202067_00316_31933_6285.N1	08APR2008 23:36:03	09APR2008 01:16:23	0	0	0	0	0
1	SCI_NL__OPNPDE20080409_041041_000060362067_00319_31936_6286.N1	09APR2008 04:10:41	09APR2008 05:51:17	0	0	0	0	0
2	SCI_NL__OPNPDE20080409_055117_000062162067_00320_31937_6287.N1	09APR2008 05:51:17	09APR2008 07:34:53	0	0	0	0	0
3	SCI_NL__OPNPDE20080409_065938_000003172067_00321_31938_6370.N1	09APR2008 06:59:38	09APR2008 07:04:55	0	0	0	0	0
4	SCI_NL__OPNPDK20080409_073357_000039202067_00321_31938_7901.N1	09APR2008 07:33:57	09APR2008 08:39:17	0	0	0	0	0
5	SCI_NL__OPNPDK20080409_083917_000060912067_00322_31939_7902.N1	09APR2008 08:39:17	09APR2008 10:20:49	0	0	0	0	0
6	SCI_NL__OPNPDK20080409_102049_000059242067_00323_31940_7903.N1	09APR2008 10:20:49	09APR2008 11:59:32	0	0	0	0	0
7	SCI_NL__OPNPDK20080409_115932_000060232067_00324_31941_7904.N1	09APR2008 11:59:32	09APR2008 13:39:55	0	0	0	0	0
8	SCI_NL__OPNPDK20080409_133859_000058552067_00325_31942_7905.N1	09APR2008 13:38:59	09APR2008 15:16:34	0	0	0	0	0
9	SCI_NL__OPNPDK20080409_151430_000058982067_00326_31943_7906.N1	09APR2008 15:14:30	09APR2008 16:52:48	0	0	0	0	0
10	SCI_NL__OPNPDK20080409_165153_000059752067_00327_31944_7907.N1	09APR2008 16:51:53	09APR2008 18:31:28	0	0	0	0	0
11	SCI_NL__OPNPDK20080409_183032_000061162067_00328_31945_7908.N1	09APR2008 18:30:32	09APR2008 20:12:28	0	0	0	0	0
12	SCI_NL__OPNPDE20080409_201132_000044052067_00329_31946_6288.N1	09APR2008 20:11:32	09APR2008 21:24:57	0	0	0	0	0
13	SCI_NL__OPNPDE20080409_212412_000060402067_00329_31946_6289.N1	09APR2008 21:24:12	09APR2008 23:04:52	0	0	0	0	0
14	SCI_NL__OPNPDE20080409_230419_000060642067_00330_31947_6290.N1	09APR2008 23:04:19	10APR2008 00:45:23	0	0	0	0	0

0.2 Product Quality Indicators

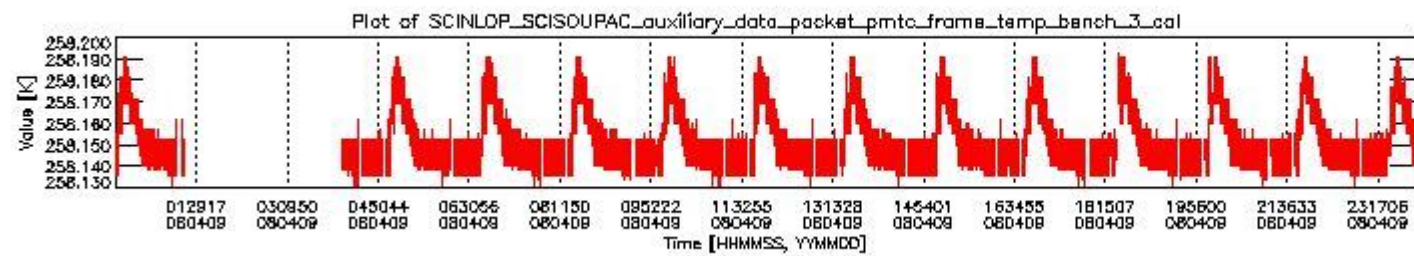
This section shows information about product quality, currently temperatures.



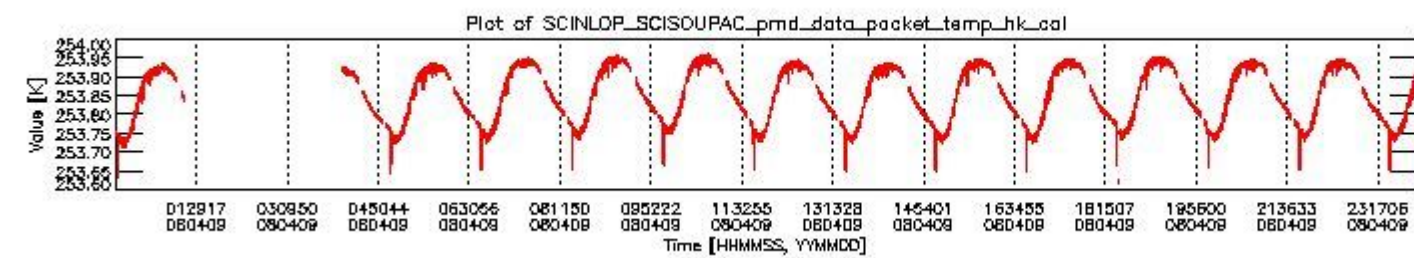
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080409_0.PNG



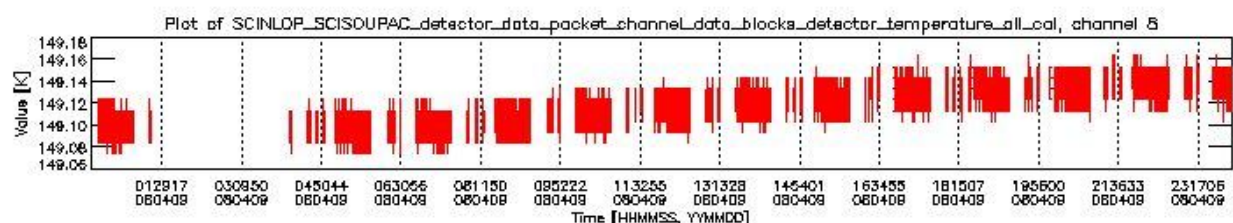
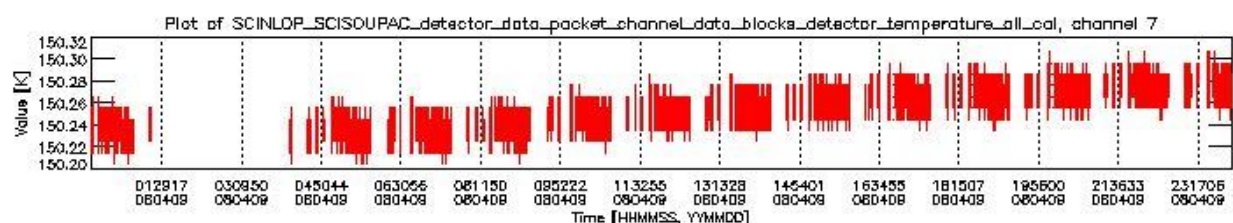
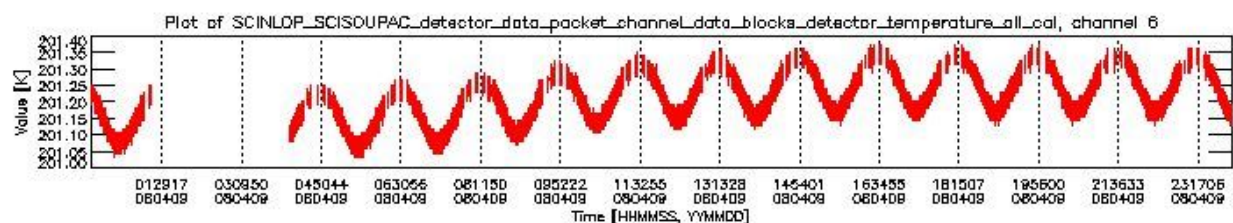
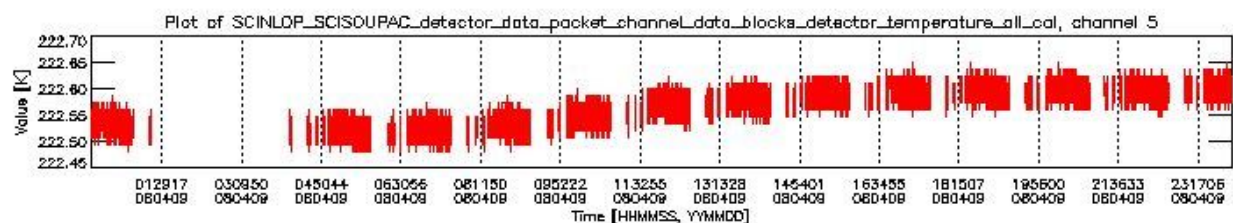
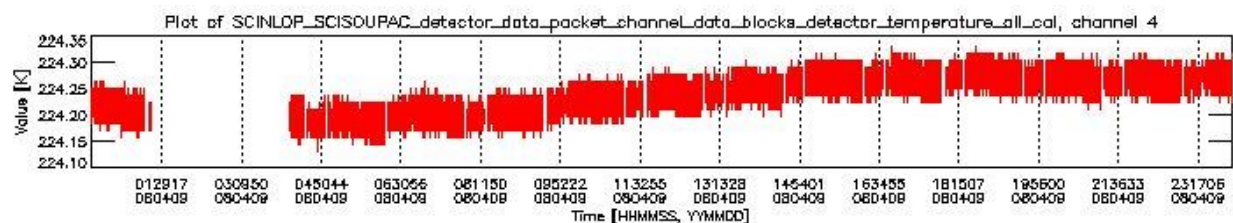
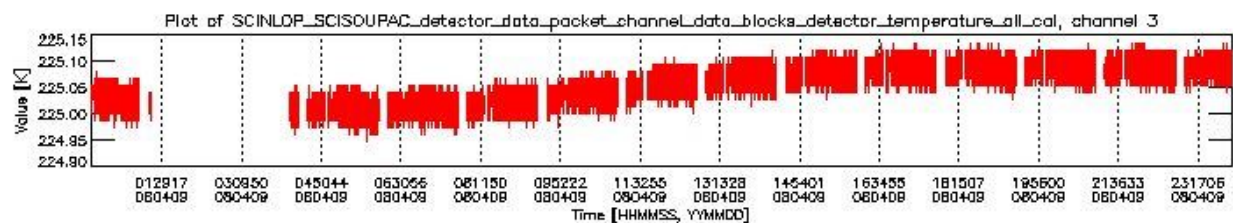
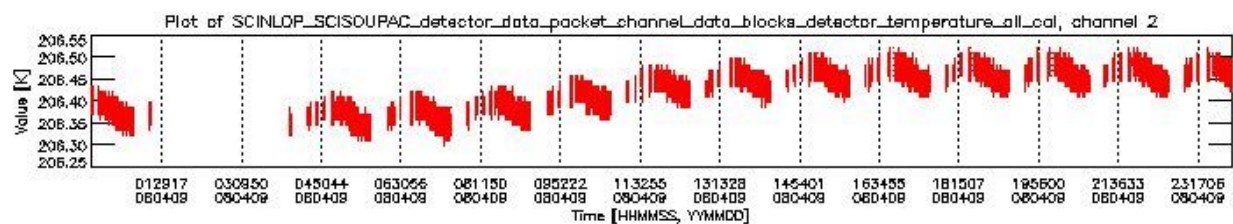
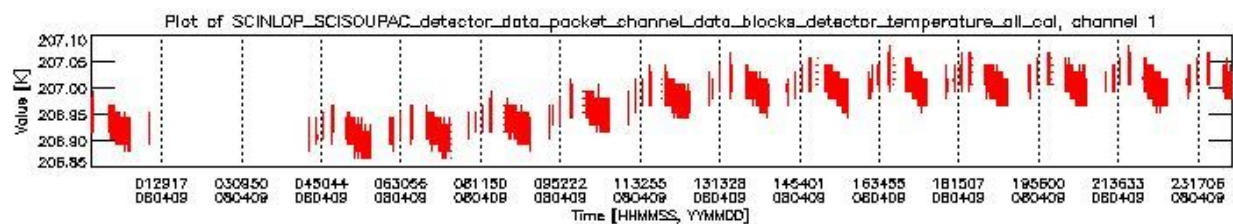
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080409_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080409_3.PNG

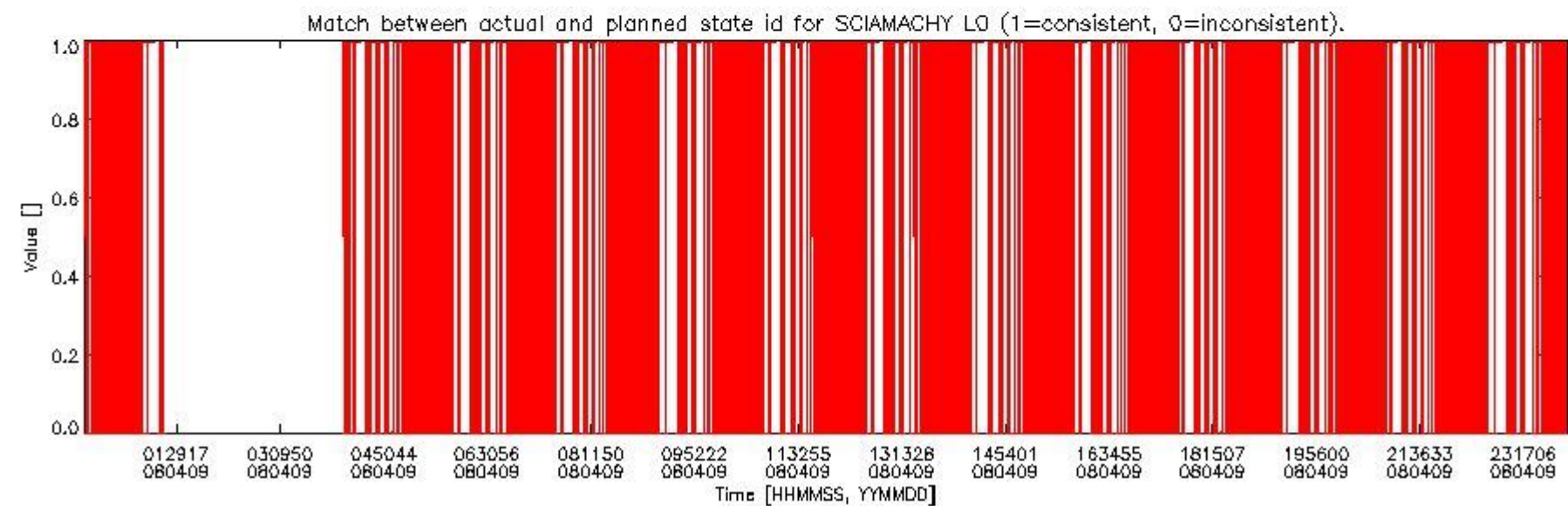
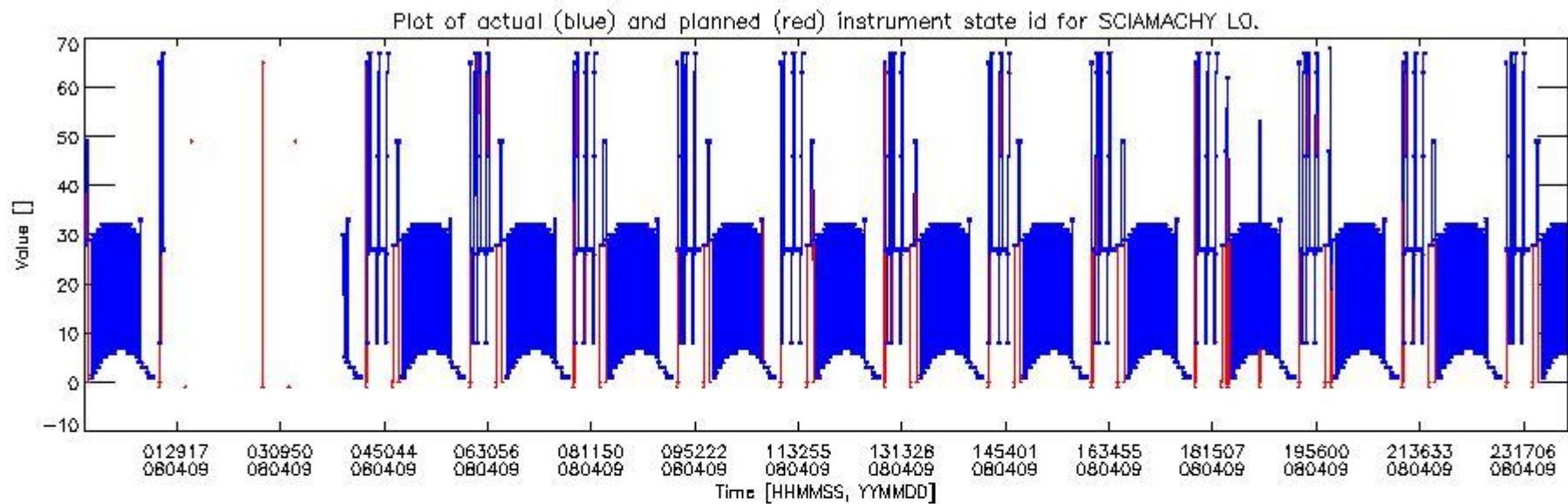


0.3 State monitoring

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: **33700**

#	Actual time	Actual value	Planned time	Planned value
0	09APR2008 00:00:52.304524	49	09APR2008 00:00:52.304524	28
1	09APR2008 00:00:52.492011	49	09APR2008 00:00:52.492011	28
2	09APR2008 00:00:52.554533	49	09APR2008 00:00:52.554533	28
3	09APR2008 00:00:52.617015	49	09APR2008 00:00:52.617015	28
4	09APR2008 00:00:52.679537	49	09APR2008 00:00:52.679537	28
5	09APR2008 00:00:52.742019	49	09APR2008 00:00:52.742019	28
6	09APR2008 00:00:52.804542	49	09APR2008 00:00:52.804542	28
7	09APR2008 00:00:52.867024	49	09APR2008 00:00:52.867024	28
8	09APR2008 00:00:52.929546	49	09APR2008 00:00:52.929546	28
9	09APR2008 00:00:52.992028	49	09APR2008 00:00:52.992028	28
10	09APR2008 00:00:53.054510	49	09APR2008 00:00:53.054510	28
11	09APR2008 00:00:53.117032	49	09APR2008 00:00:53.117032	28
12	09APR2008 00:00:53.179514	49	09APR2008 00:00:53.179514	28
13	09APR2008 00:00:53.242037	49	09APR2008 00:00:53.242037	28
14	09APR2008 00:00:53.304519	49	09APR2008 00:00:53.304519	28
15	09APR2008 00:00:53.367041	49	09APR2008 00:00:53.367041	28
16	09APR2008 00:00:53.429523	49	09APR2008 00:00:53.429523	28
17	09APR2008 00:00:53.492045	49	09APR2008 00:00:53.492045	28
18	09APR2008 00:00:53.554527	49	09APR2008 00:00:53.554527	28
19	09APR2008 00:00:53.617010	49	09APR2008 00:00:53.617010	28
...

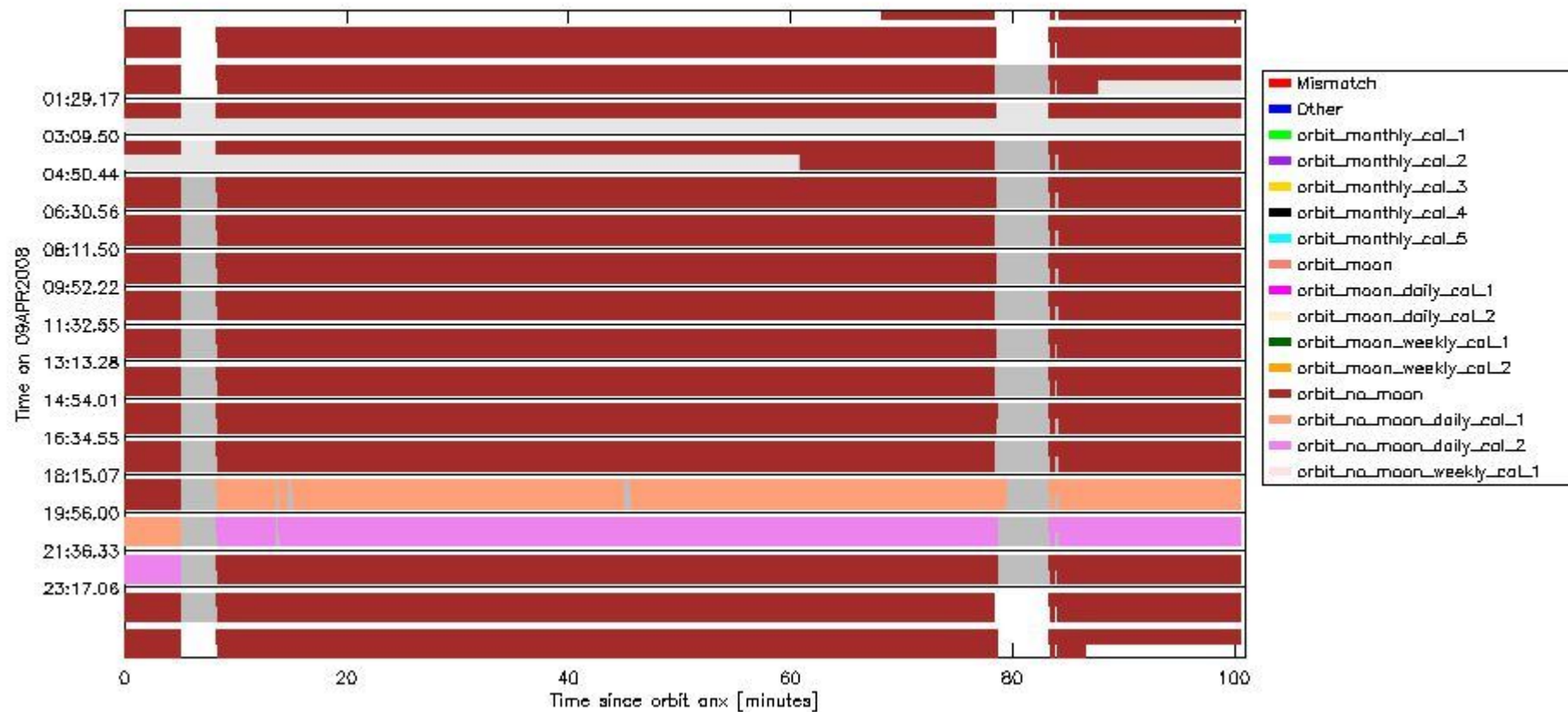


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080409_5.PNG

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 09APR2008.
 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_20080409_6.PNG

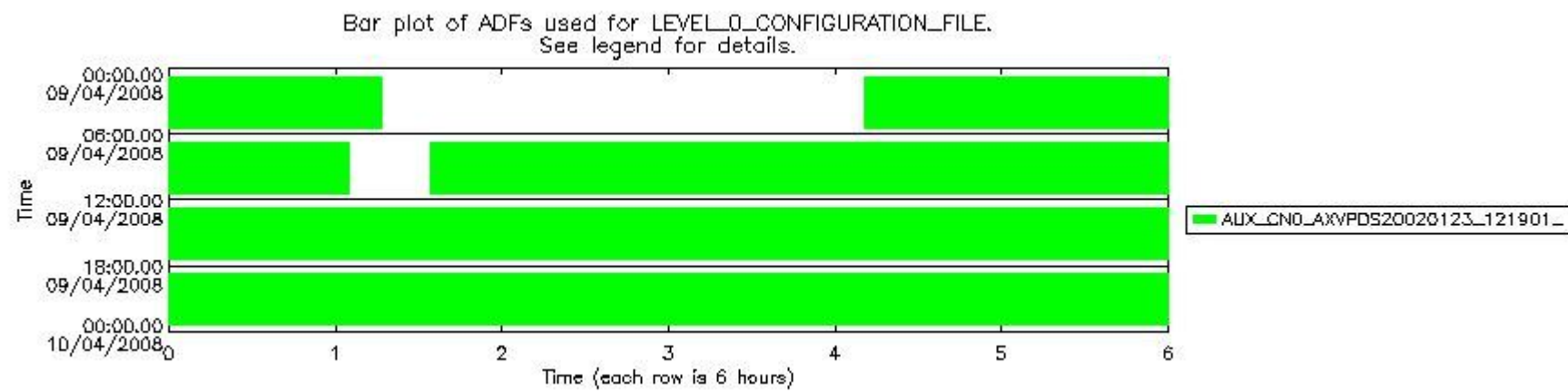
0.4 ADF monitoring

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

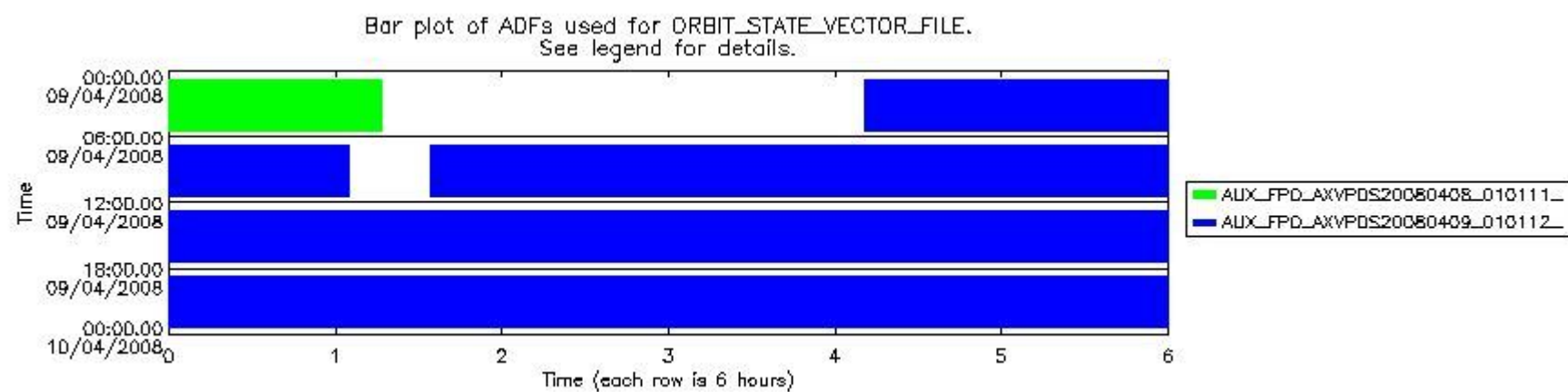
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

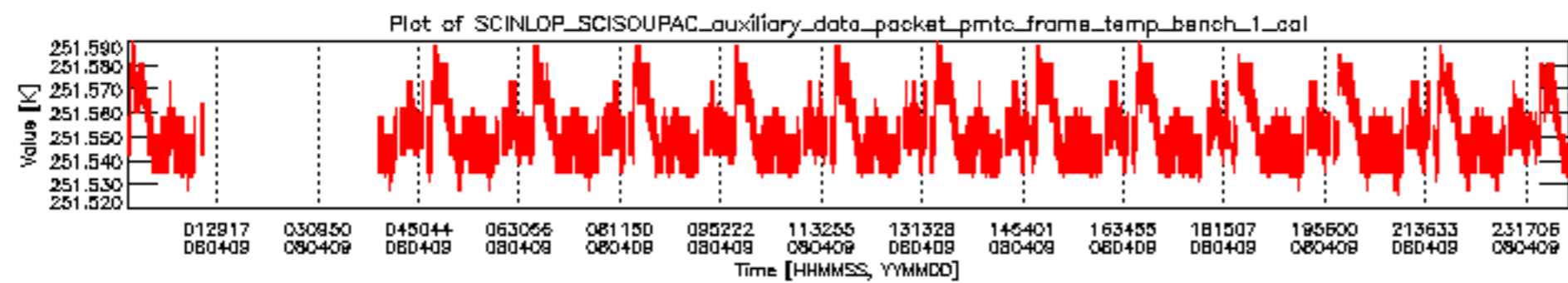
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080408_010111_20080407_191832_20080417_204445
2	AUX_FPO_AXVPDS20080409_010112_20080408_184655_20080418_201307

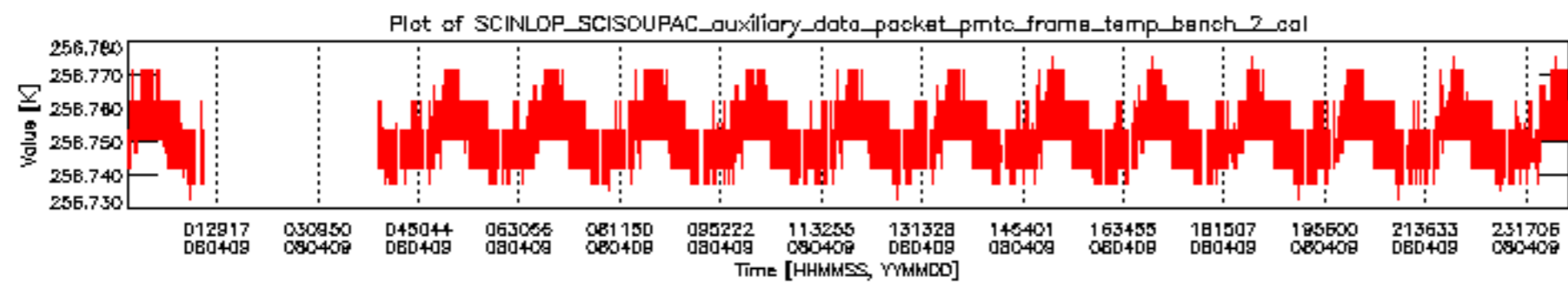


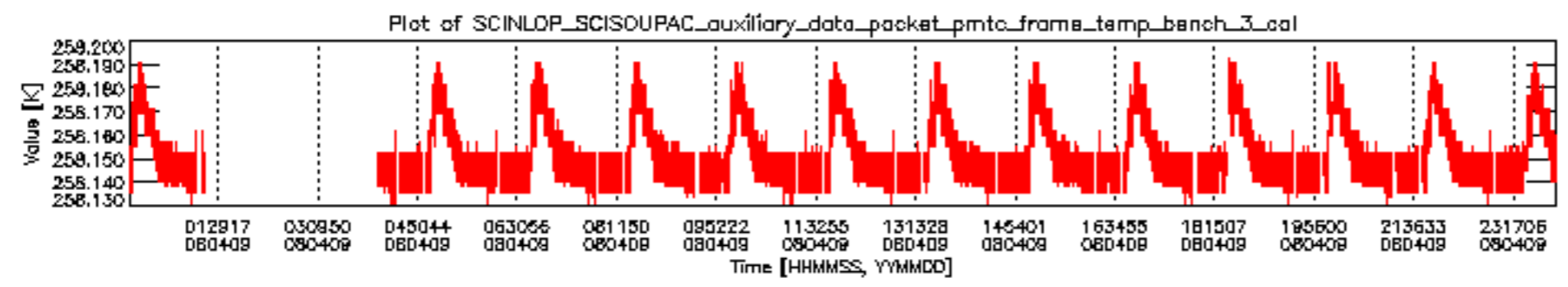
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080409_7.PNG

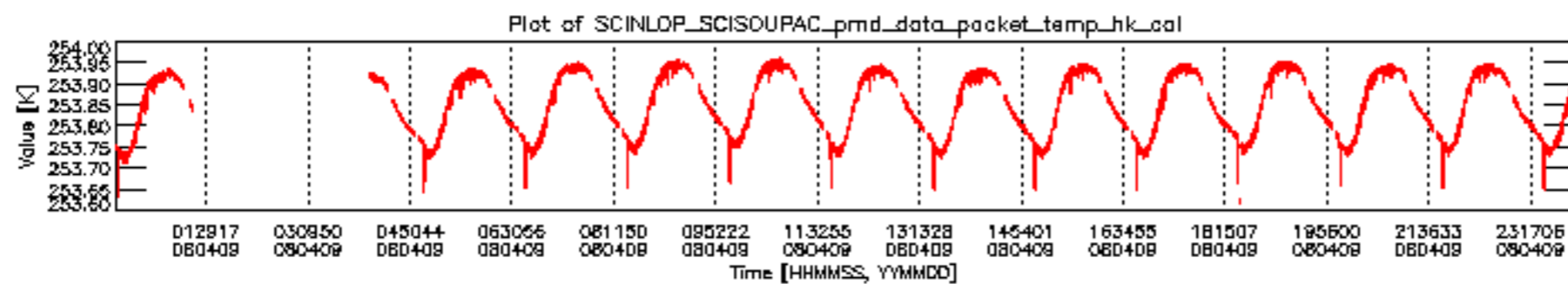


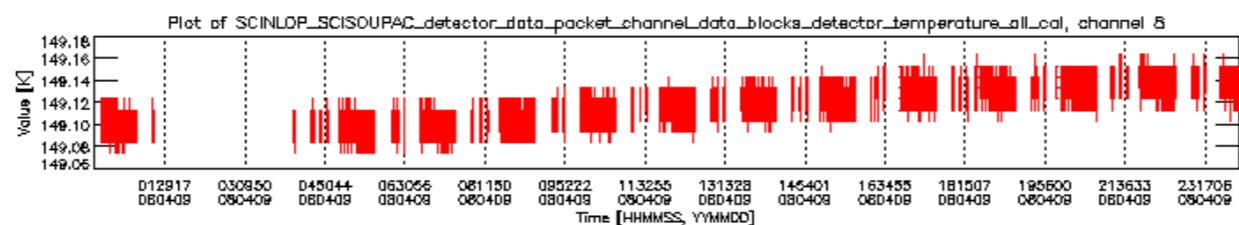
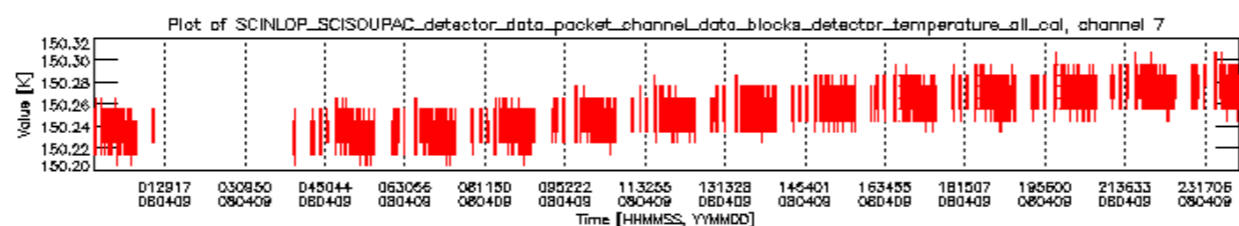
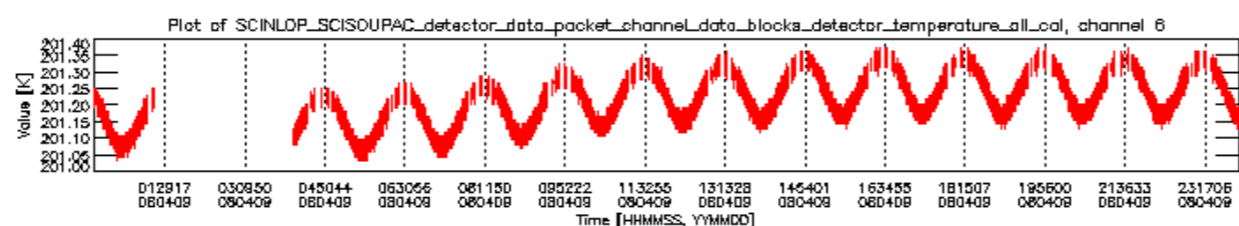
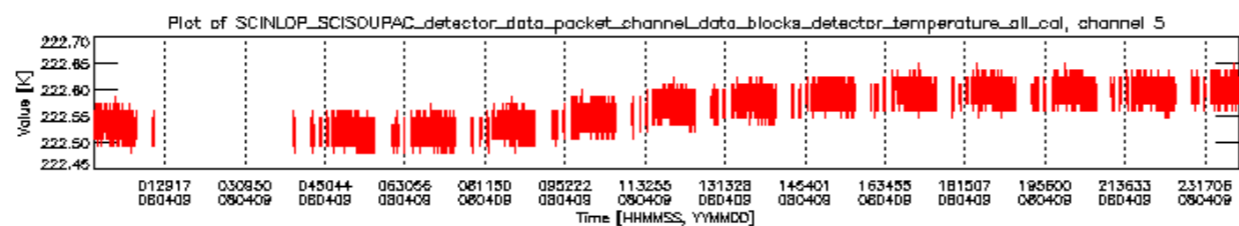
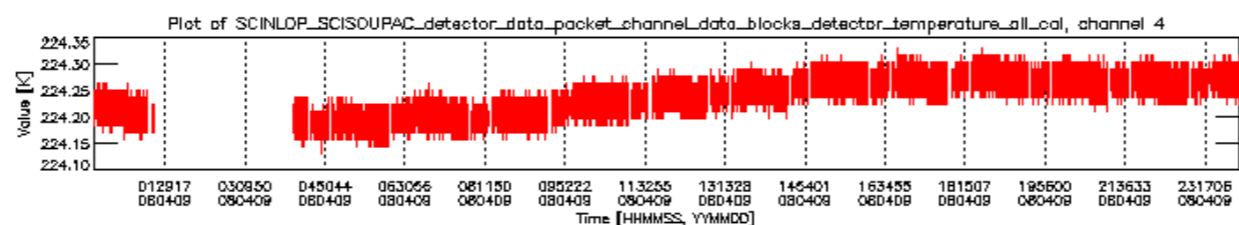
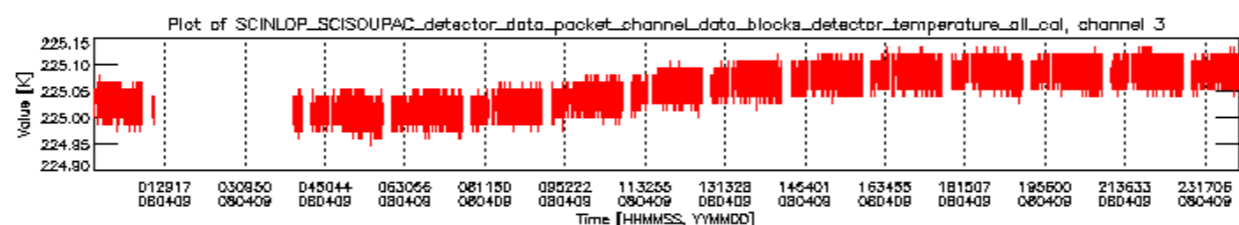
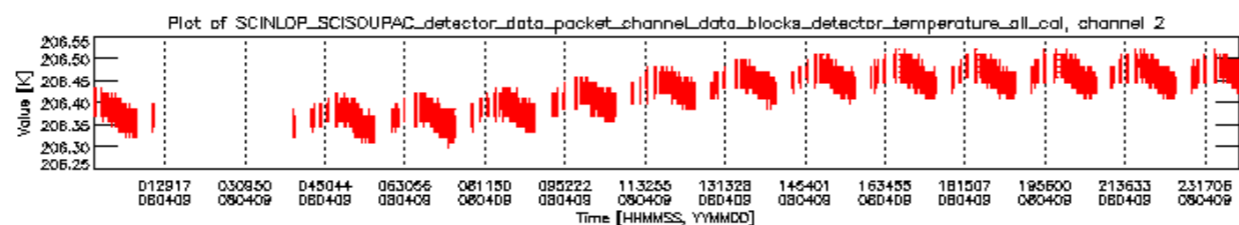
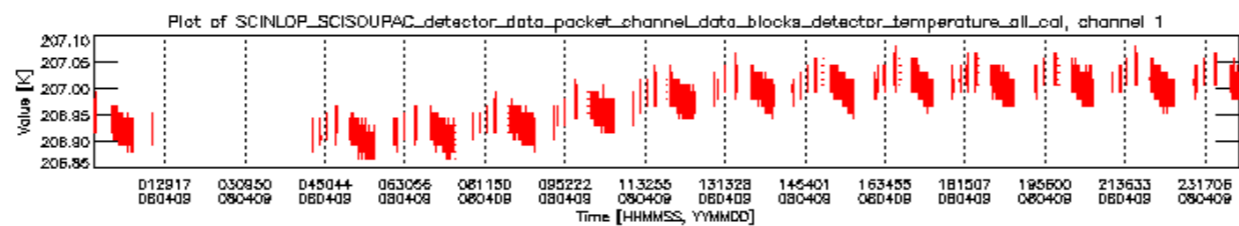
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080409_8.PNG

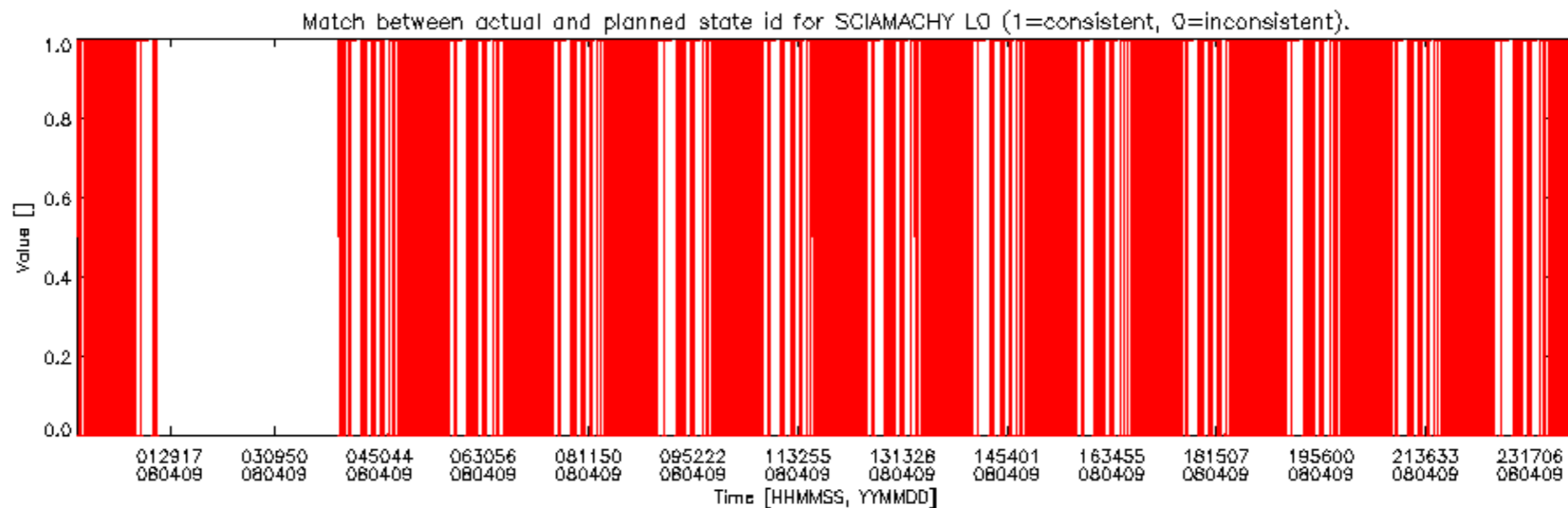
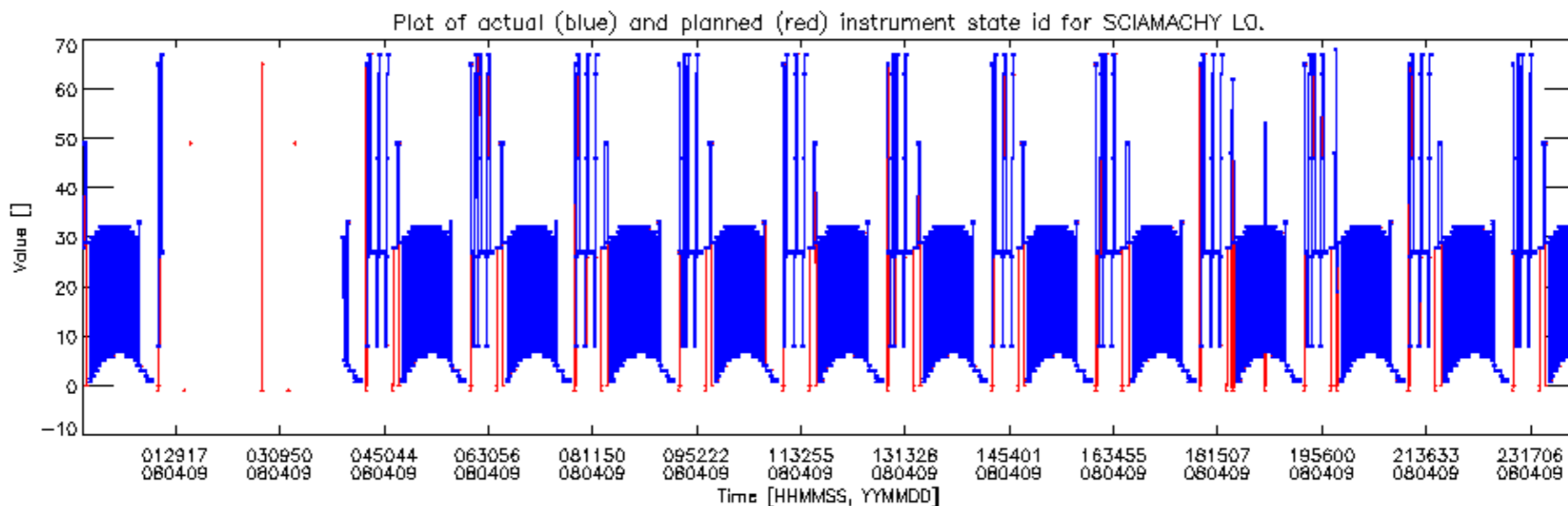












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