

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	25JUL2008 05:24:17
Data source version	KSPT_L0/4303-N
Processing scope for products	21JUL2008 00:00:00 to 22JUL2008 00:00:00
Start time of first product within scope	20JUL2008 22:57:57
Stop time of last product within scope	22JUL2008 00:06:57
Total number of level 0 products	16
Number of level 0 products with errors	1

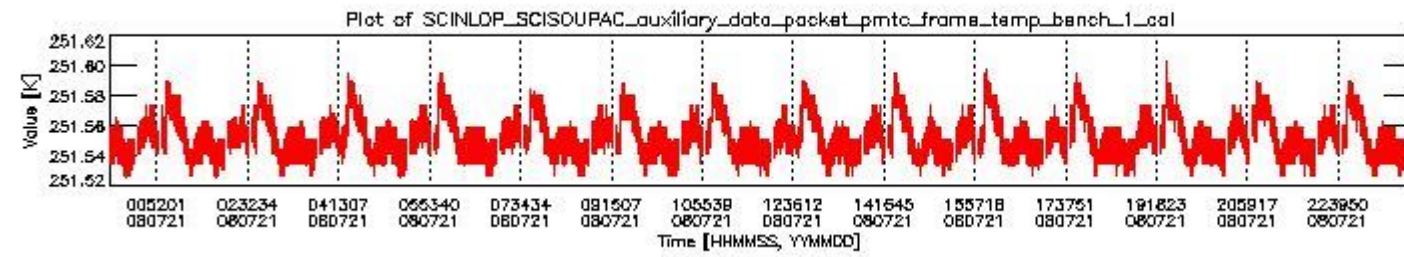
0.1.2 Summary per product

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

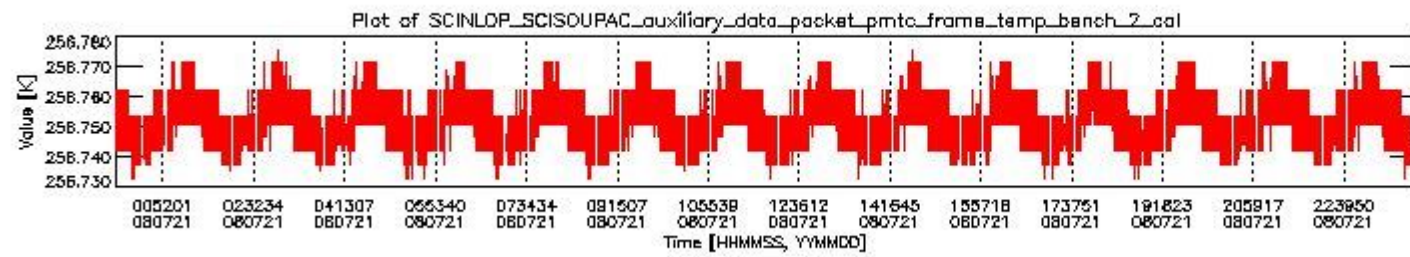
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080720_225757_000061662070_00287_33407_7147.N1	20JUL2008 22:57:57	21JUL2008 00:40:43	0	0	0	0	0
1	SCI_NL__OPNPDE20080721_003959_000058602070_00288_33408_7148.N1	21JUL2008 00:39:59	21JUL2008 02:17:38	0	0	0	0	0
2	SCI_NL__OPNPDE20080721_021615_000045862070_00289_33409_7149.N1	21JUL2008 02:16:15	21JUL2008 03:32:40	0	0	0	0	0
3	SCI_NL__OPNPDE20080721_033145_000061612070_00290_33410_7150.N1	21JUL2008 03:31:45	21JUL2008 05:14:25	0	0	0	0	0
4	SCI_NL__OPNPDE20080721_051329_000060922070_00291_33411_7151.N1	21JUL2008 05:13:29	21JUL2008 06:55:02	0	0	0	0	0
5	SCI_NL__OPNPDK20080721_065353_000040582070_00292_33412_8822.N1	21JUL2008 06:53:53	21JUL2008 08:01:31	0	0	0	0	0
6	SCI_NL__OPNPDK20080721_080131_000062162070_00293_33413_8823.N1	21JUL2008 08:01:31	21JUL2008 09:45:07	0	0	0	0	0
7	SCI_NL__OPNPDK20080721_094359_000059802070_00294_33414_8824.N1	21JUL2008 09:43:59	21JUL2008 11:23:39	1	1	0	0	0
8	SCI_NL__OPNPDK20080721_112243_000060232070_00295_33415_8825.N1	21JUL2008 11:22:43	21JUL2008 13:03:06	0	0	0	0	0
9	SCI_NL__OPNPDK20080721_130306_000058562070_00296_33416_8826.N1	21JUL2008 13:03:06	21JUL2008 14:40:42	0	0	0	0	0
10	SCI_NL__OPNPDK20080721_144042_000058432070_00297_33417_8827.N1	21JUL2008 14:40:42	21JUL2008 16:18:05	0	0	0	0	0
11	SCI_NL__OPNPDK20080721_161805_000058472070_00298_33418_8828.N1	21JUL2008 16:18:05	21JUL2008 17:55:32	0	0	0	0	0
12	SCI_NL__OPNPDK20080721_175424_000060622070_00299_33419_8829.N1	21JUL2008 17:54:24	21JUL2008 19:35:26	0	0	0	0	0
13	SCI_NL__OPNPDE20080721_193430_000042312070_00300_33420_7152.N1	21JUL2008 19:34:30	21JUL2008 20:45:01	0	0	0	0	0
14	SCI_NL__OPNPDE20080721_204417_000062442070_00300_33420_7153.N1	21JUL2008 20:44:17	21JUL2008 22:28:21	0	0	0	0	0
15	SCI_NL__OPNPDE20080721_222657_000060002070_00301_33421_7154.N1	21JUL2008 22:26:57	22JUL2008 00:06:57	0	0	0	0	0

0.2 Product Quality Indicators

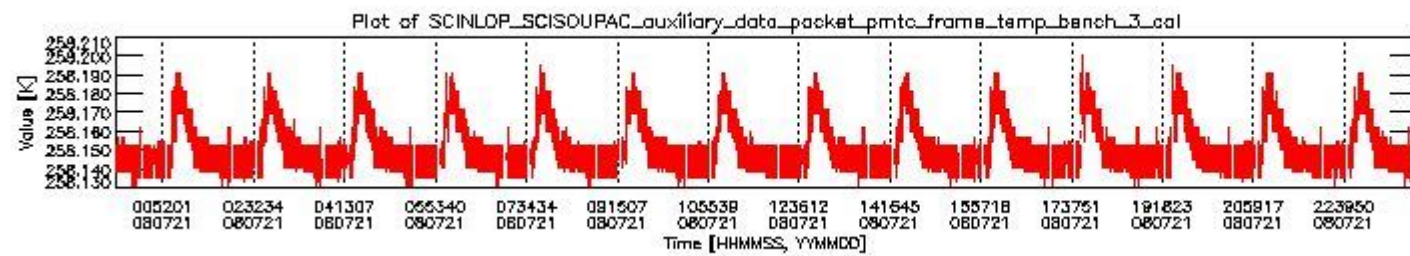
This section shows information about product quality, currently temperatures.



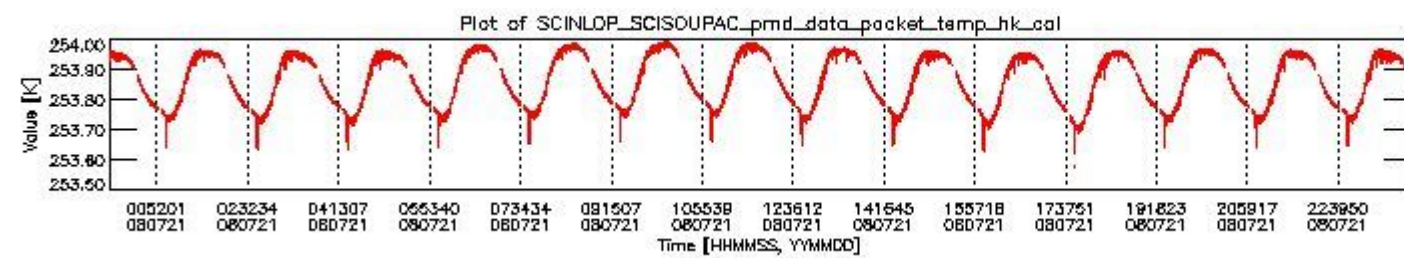
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080721_0.PNG



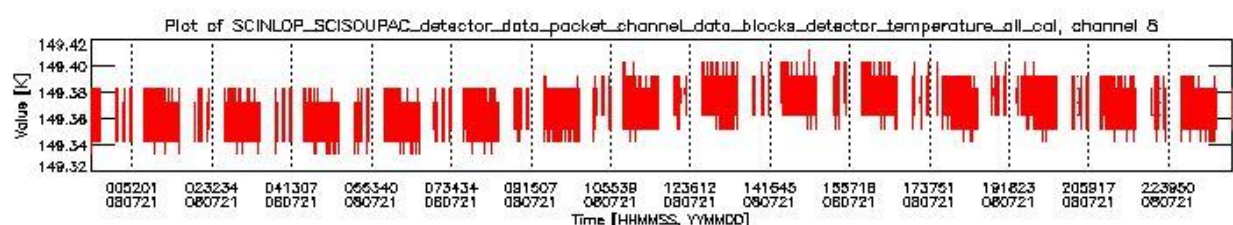
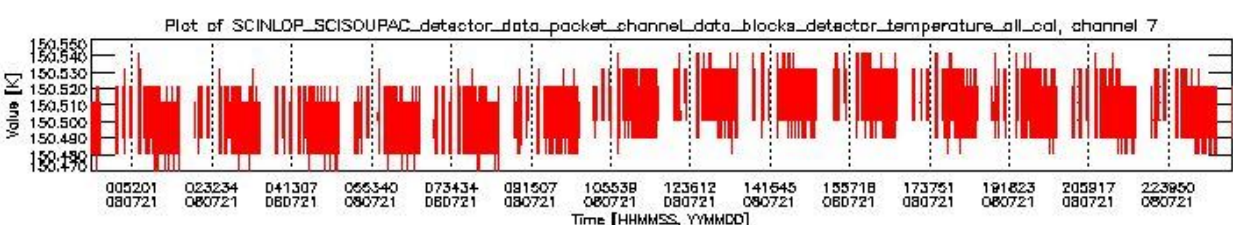
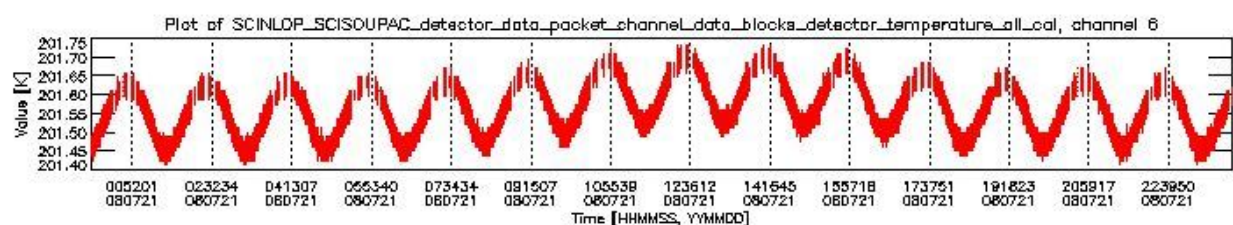
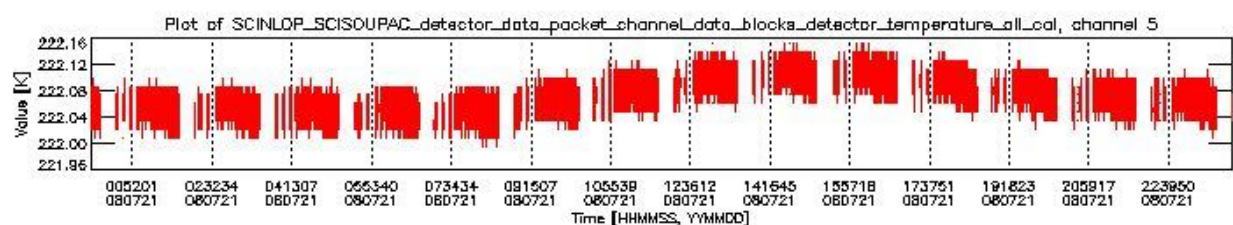
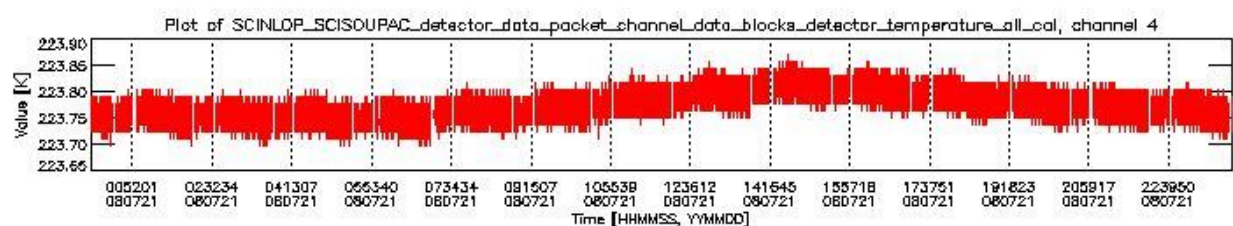
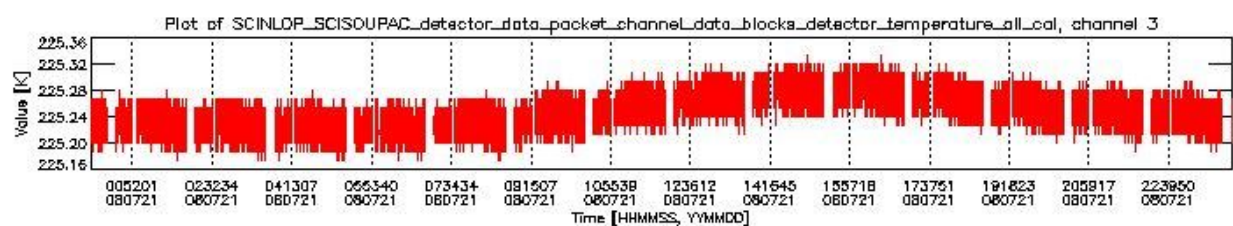
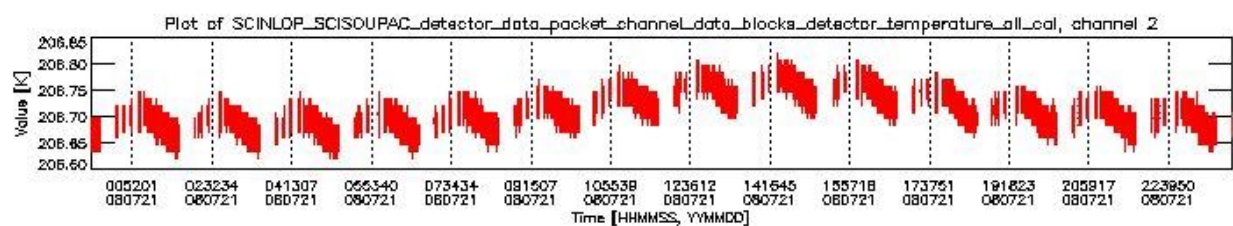
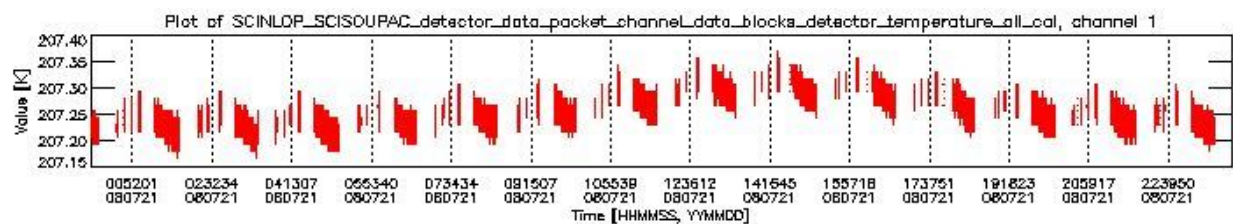
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080721_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080721_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080721_3.PNG

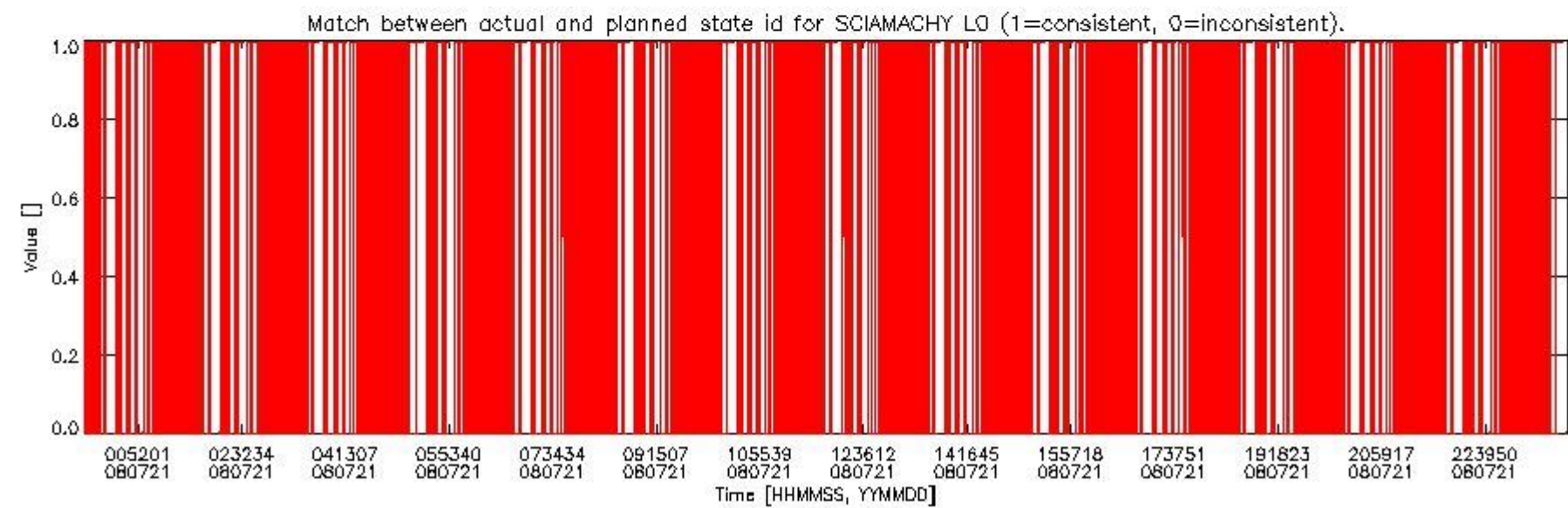
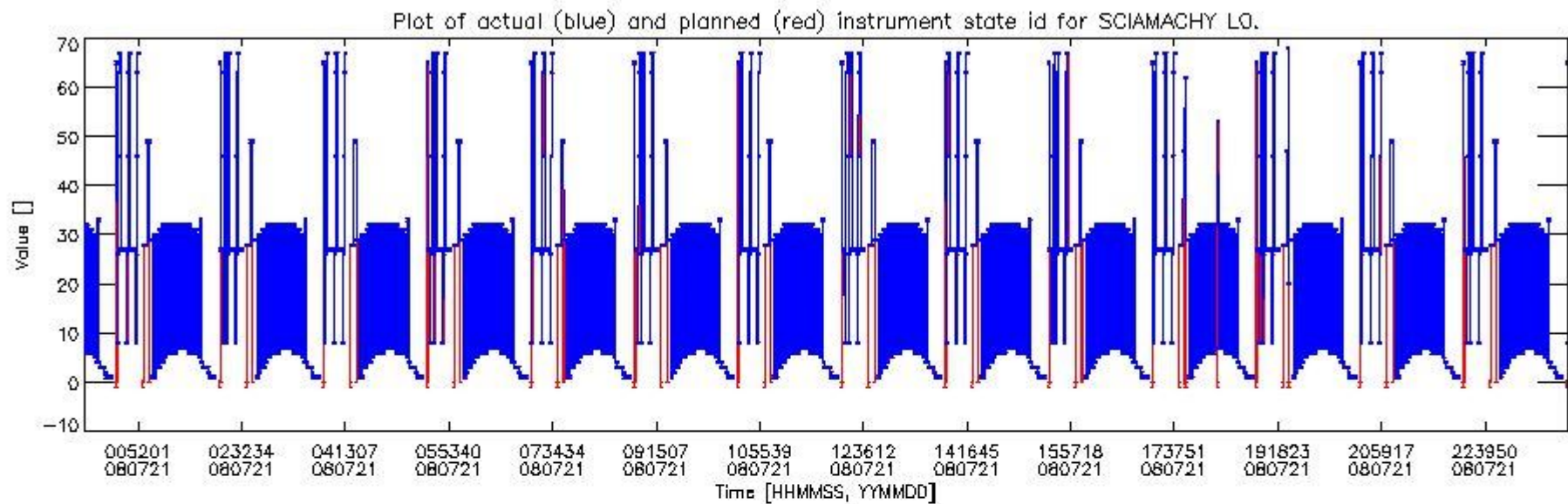


0.3 State monitoring

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: **30230**

#	Actual time	Actual value	Planned time	Planned value
0	21JUL2008 00:00:10.836513	32	21JUL2008 00:00:10.836513	7
1	21JUL2008 00:00:11.461535	32	21JUL2008 00:00:11.461535	7
2	21JUL2008 00:00:11.836508	32	21JUL2008 00:00:11.836508	7
3	21JUL2008 00:00:12.211521	32	21JUL2008 00:00:12.211521	7
4	21JUL2008 00:00:12.774020	32	21JUL2008 00:00:12.774020	7
5	21JUL2008 00:00:13.149033	32	21JUL2008 00:00:13.149033	7
6	21JUL2008 00:00:13.524006	32	21JUL2008 00:00:13.524006	7
7	21JUL2008 00:00:13.899019	32	21JUL2008 00:00:13.899019	7
8	21JUL2008 00:00:14.461519	32	21JUL2008 00:00:14.461519	7
9	21JUL2008 00:00:14.836532	32	21JUL2008 00:00:14.836532	7
10	21JUL2008 00:00:15.211505	32	21JUL2008 00:00:15.211505	7
11	21JUL2008 00:00:15.586518	32	21JUL2008 00:00:15.586518	7
12	21JUL2008 00:00:15.836526	32	21JUL2008 00:00:15.836526	7
13	21JUL2008 00:00:16.149017	32	21JUL2008 00:00:16.149017	7
14	21JUL2008 00:00:16.524030	32	21JUL2008 00:00:16.524030	7
15	21JUL2008 00:00:16.899003	32	21JUL2008 00:00:16.899003	7
16	21JUL2008 00:00:17.274016	32	21JUL2008 00:00:17.274016	7
17	21JUL2008 00:01:06.707624	6	21JUL2008 00:01:06.707624	32
18	21JUL2008 00:01:07.082638	6	21JUL2008 00:01:07.082638	32
19	21JUL2008 00:01:07.332606	6	21JUL2008 00:01:07.332606	32

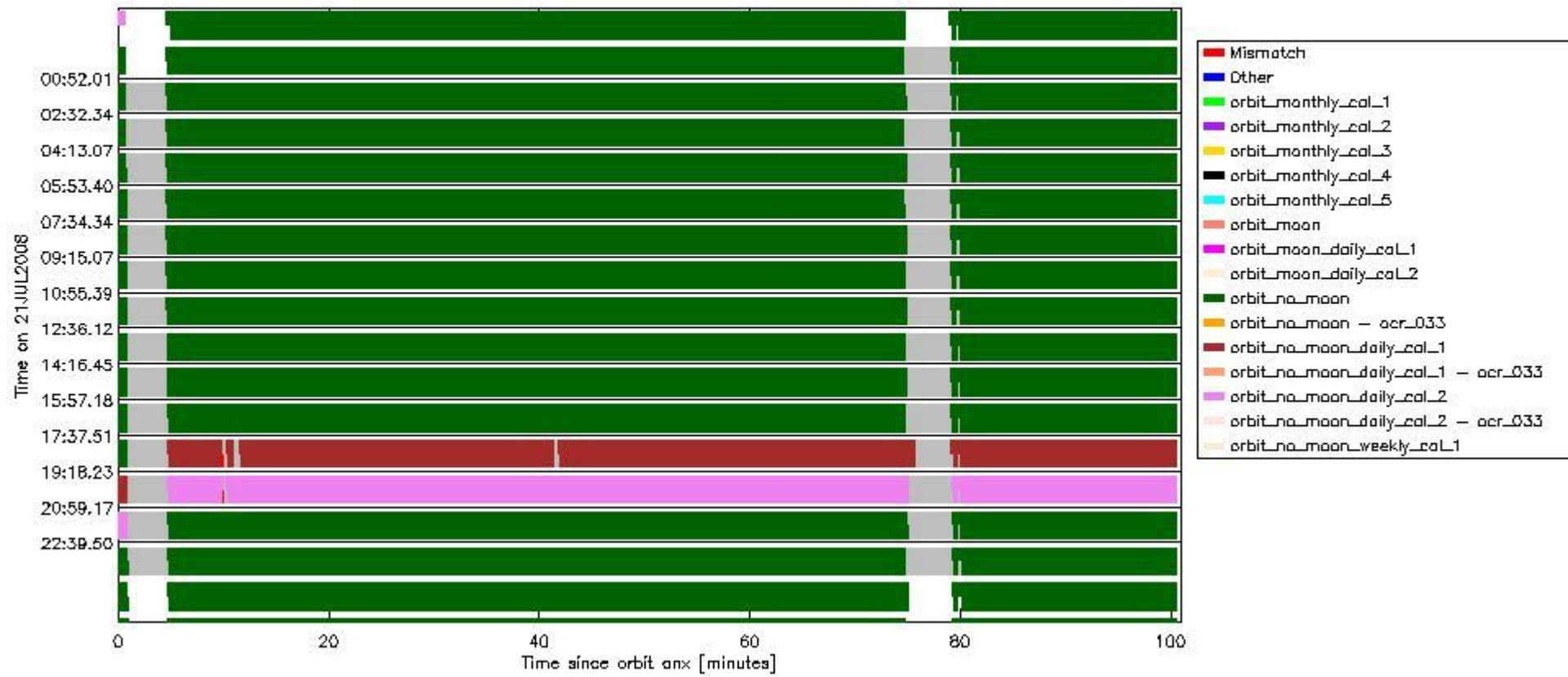


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080721_5.PNG

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 21JUL2008.
 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_20080721_6.PNG

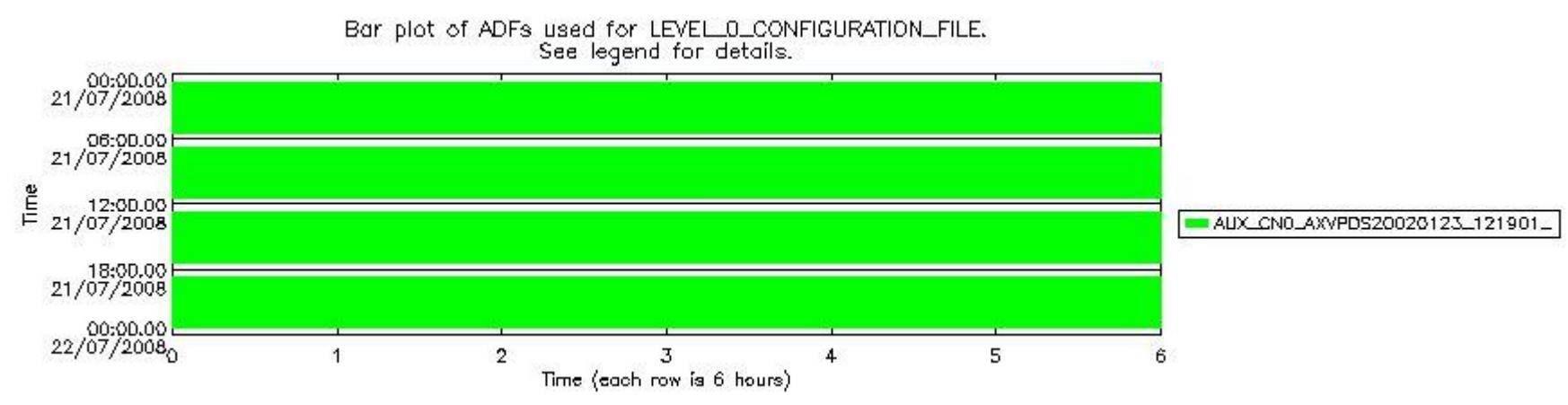
0.4 ADF monitoring

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

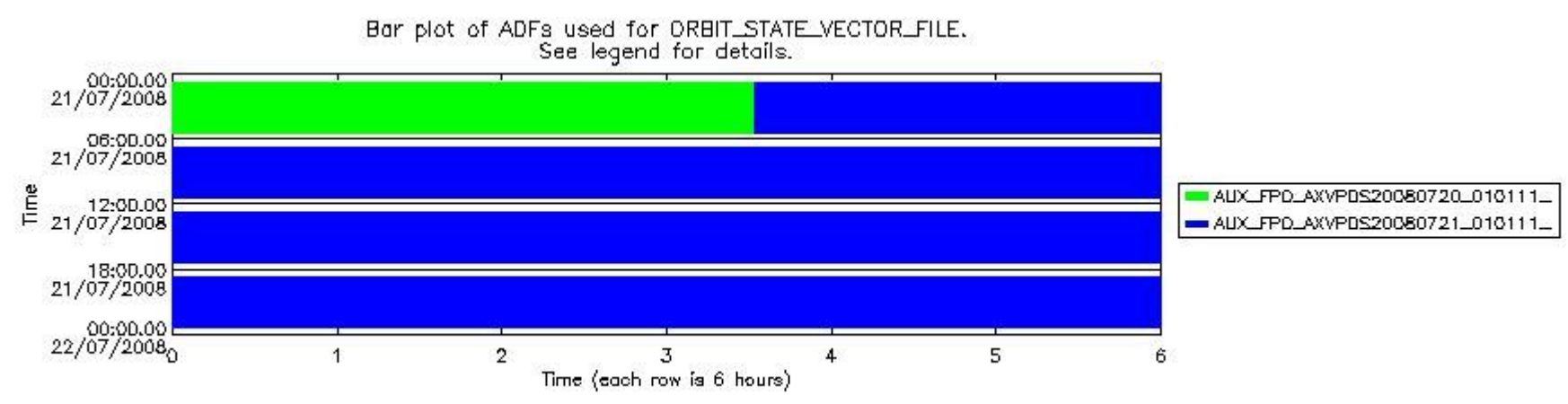
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

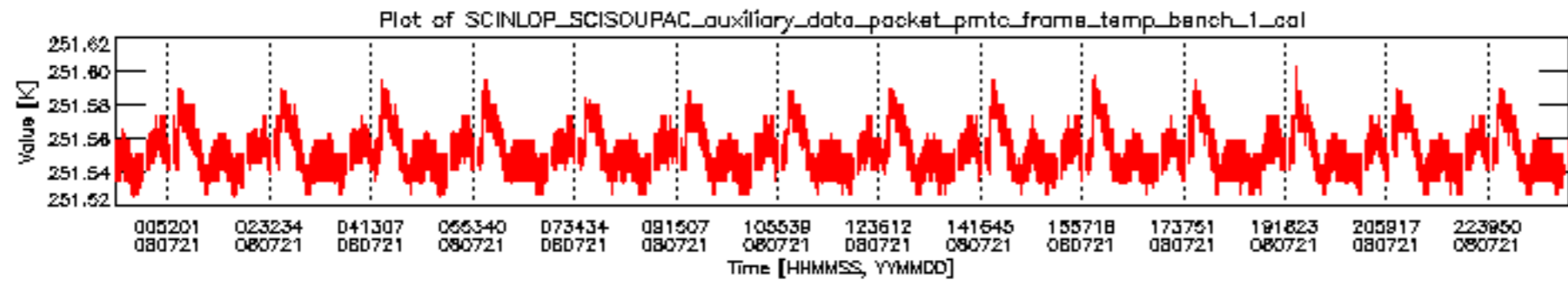
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080720_010111_20080719_184113_20080729_200726
2	AUX_FPO_AXVPDS20080721_010111_20080720_195012_20080730_211625

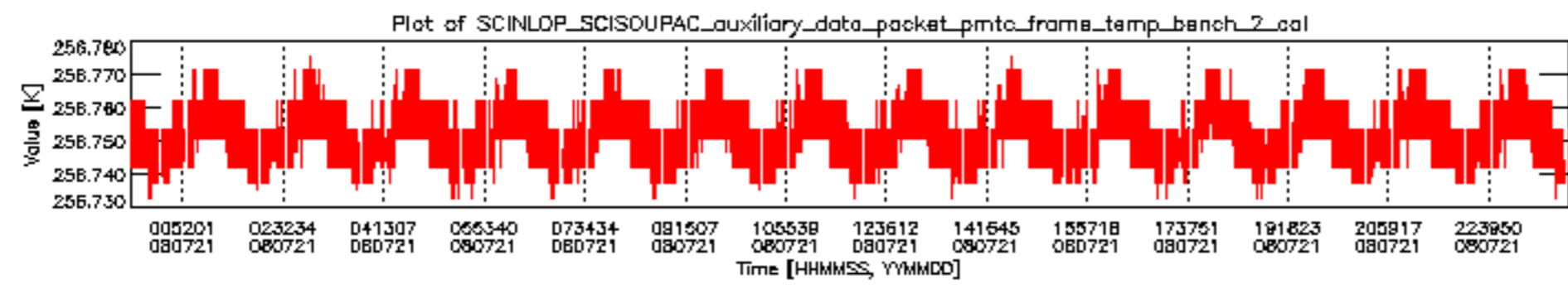


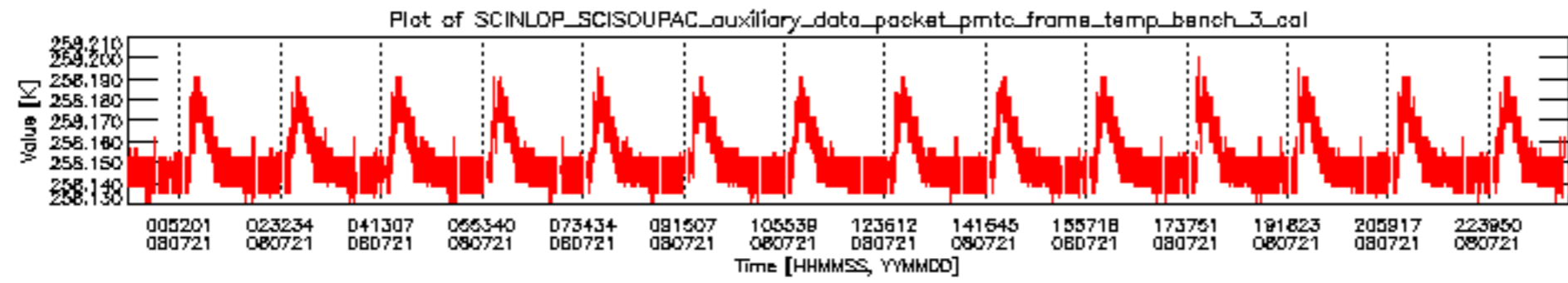
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080721_7.PNG

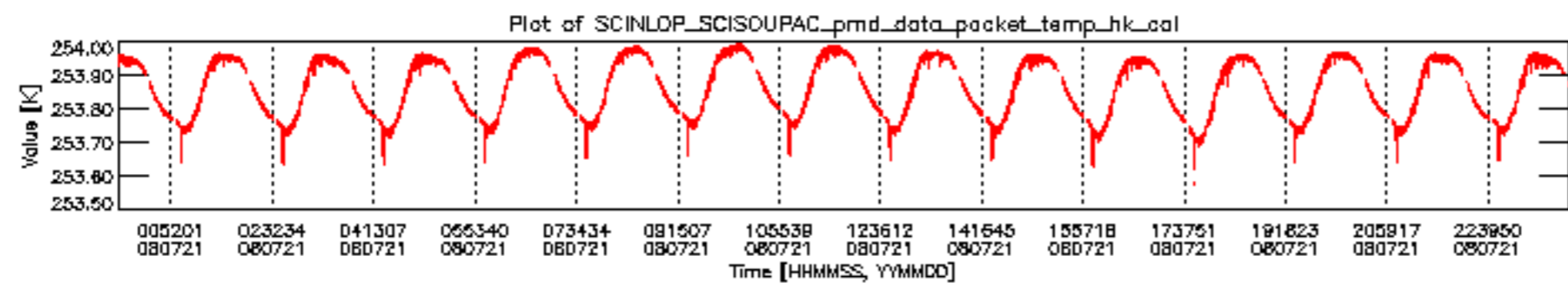


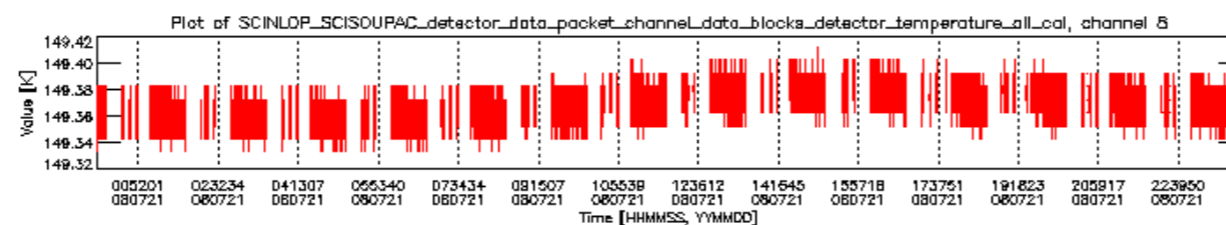
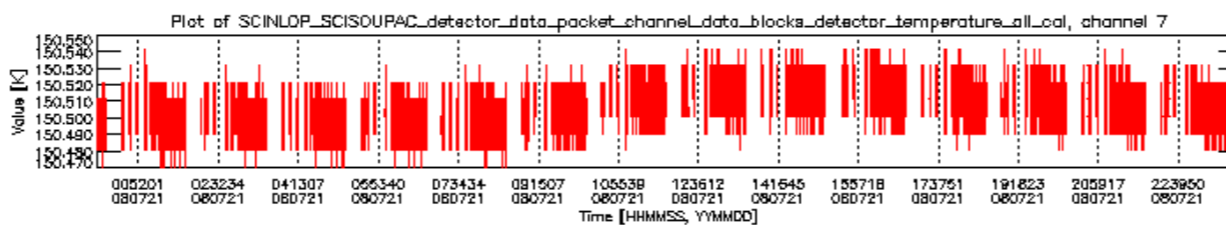
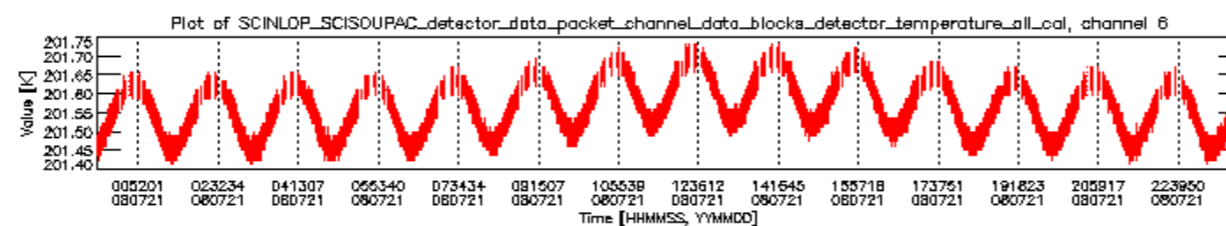
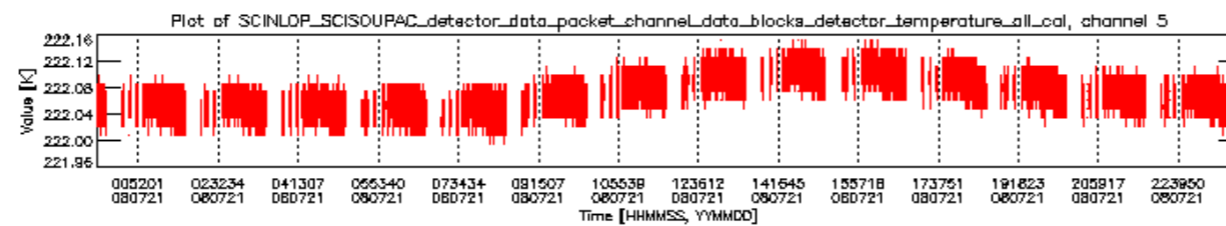
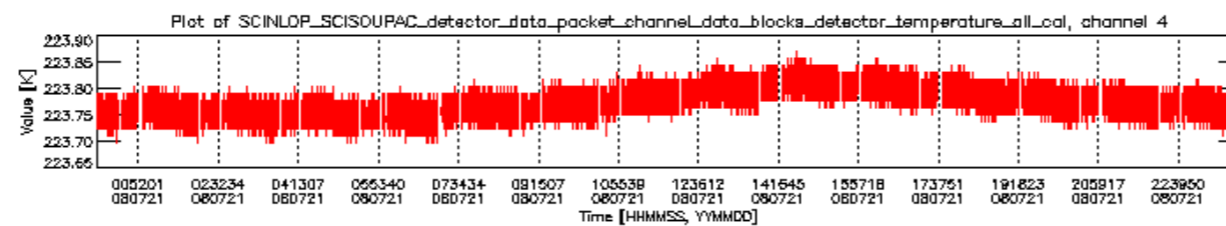
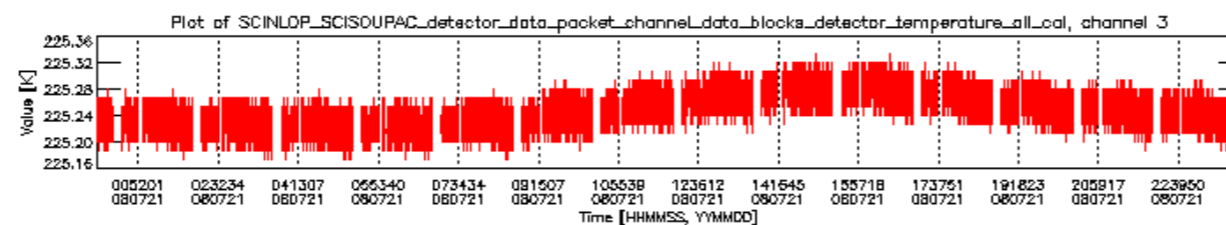
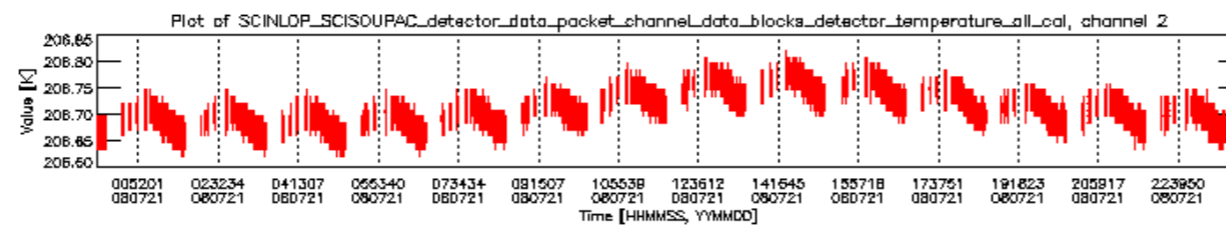
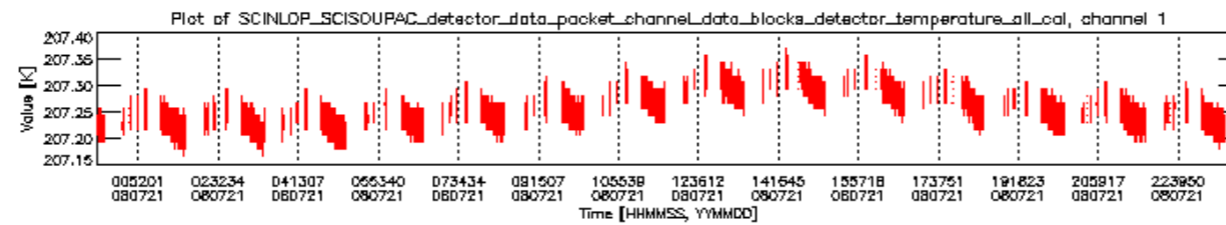
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080721_8.PNG

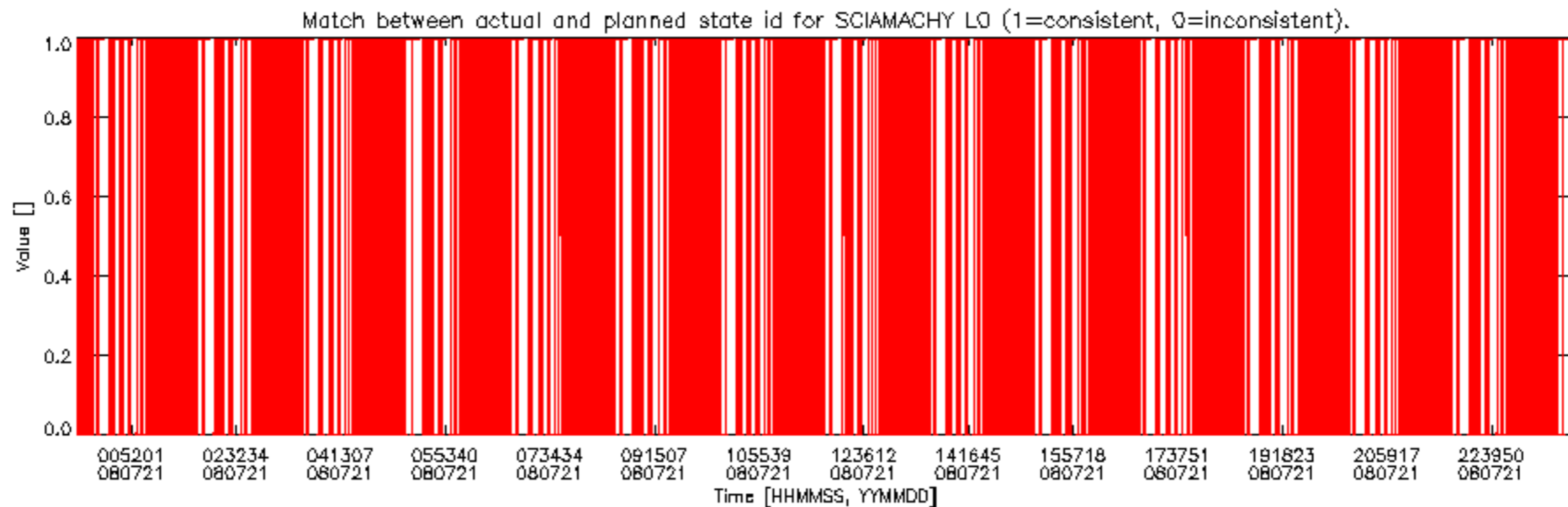
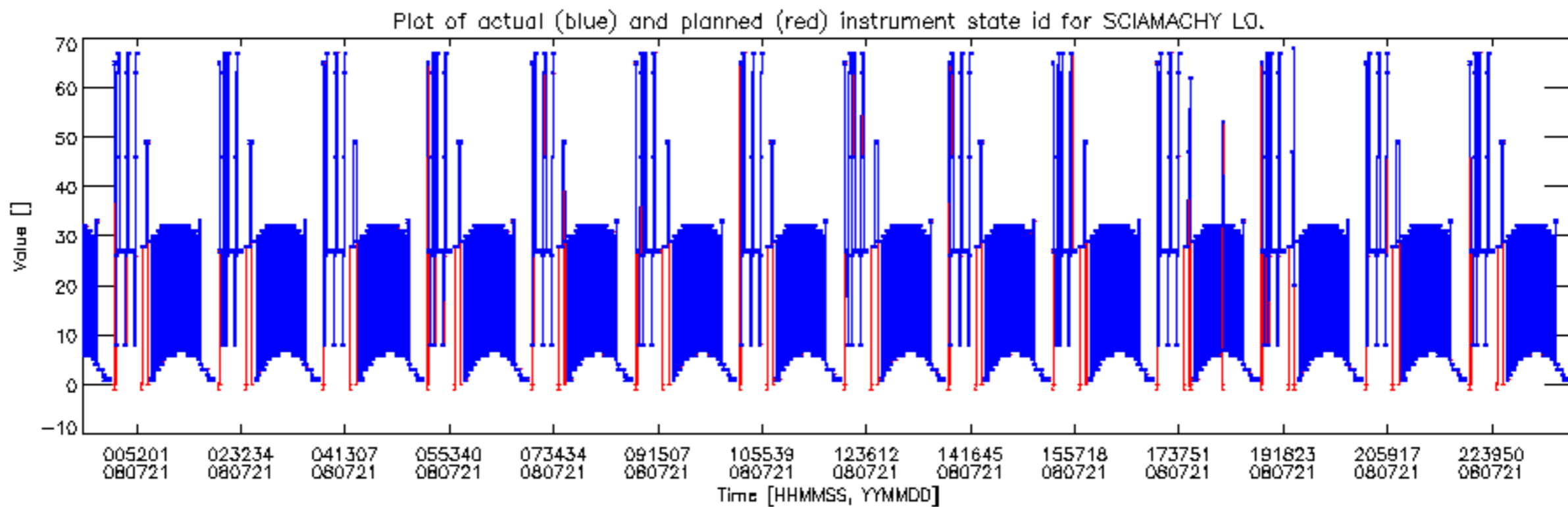












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