

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	20JUN2008 04:46:33
Data source version	KSPT_L0/4303-N
Processing scope for products	16JUN2008 00:00:00 to 17JUN2008 00:00:00
Start time of first product within scope	15JUN2008 22:57:38
Stop time of last product within scope	17JUN2008 00:09:29
Total number of level 0 products	16
Number of level 0 products with errors	1

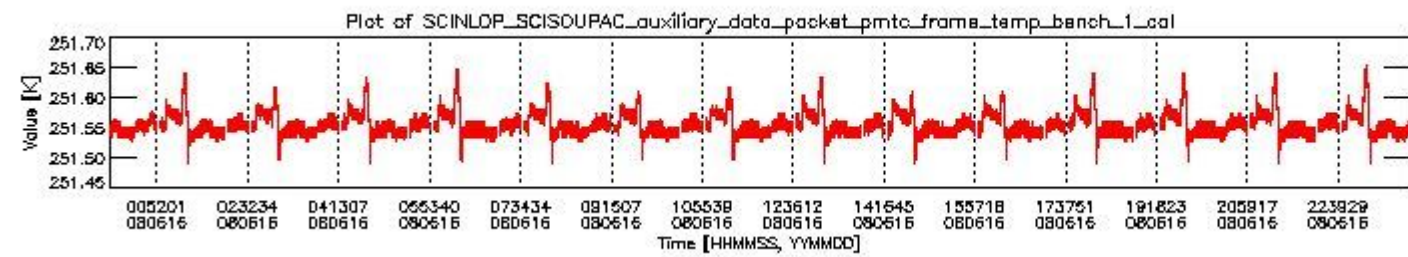
0.1.2 Summary per product

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

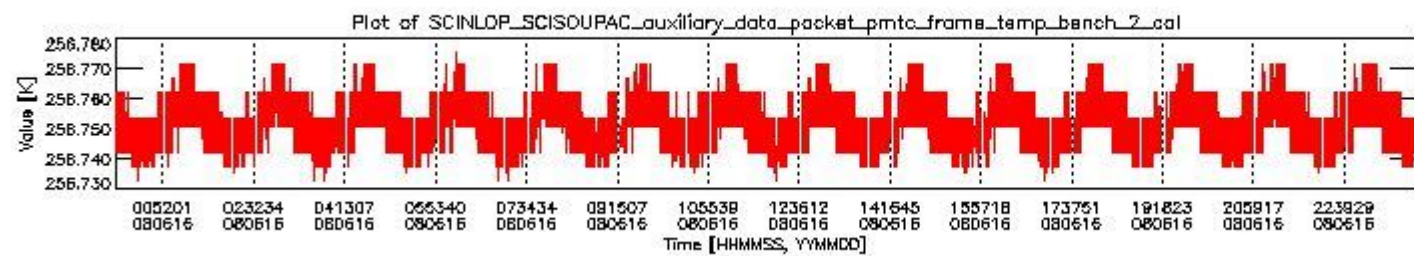
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080615_225738_000061322069_00287_32906_6977.N1	15JUN2008 22:57:38	16JUN2008 00:39:49	0	0	0	0	0
1	SCI_NL__OPNPDE20080616_003905_000057762069_00288_32907_6978.N1	16JUN2008 00:39:05	16JUN2008 02:15:21	0	0	0	0	0
2	SCI_NL__OPNPDE20080616_021448_000045852069_00289_32908_6979.N1	16JUN2008 02:14:48	16JUN2008 03:31:12	0	0	0	0	0
3	SCI_NL__OPNPDE20080616_033352_000060322069_00290_32909_6980.N1	16JUN2008 03:33:52	16JUN2008 05:14:24	0	0	0	0	0
4	SCI_NL__OPNPDE20080616_051424_000060322069_00291_32910_6981.N1	16JUN2008 05:14:24	16JUN2008 06:54:55	0	0	0	0	0
5	SCI_NL__OPNPDK20080616_065455_000040182069_00292_32911_8516.N1	16JUN2008 06:54:55	16JUN2008 08:01:54	0	0	0	0	0
6	SCI_NL__OPNPDK20080616_080045_000062292069_00293_32912_8517.N1	16JUN2008 08:00:45	16JUN2008 09:44:34	1	1	1	0	1
7	SCI_NL__OPNPDK20080616_094434_000059112069_00294_32913_8519.N1	16JUN2008 09:44:34	16JUN2008 11:23:05	0	0	0	0	0
8	SCI_NL__OPNPDK20080616_112157_000061042069_00295_32914_8520.N1	16JUN2008 11:21:57	16JUN2008 13:03:41	0	0	0	0	0
9	SCI_NL__OPNPDK20080616_130233_000059112069_00296_32915_8521.N1	16JUN2008 13:02:33	16JUN2008 14:41:04	0	0	0	0	0
10	SCI_NL__OPNPDK20080616_144008_000058432069_00297_32916_8522.N1	16JUN2008 14:40:08	16JUN2008 16:17:31	0	0	0	0	0
11	SCI_NL__OPNPDK20080616_161731_000059542069_00298_32917_8523.N1	16JUN2008 16:17:31	16JUN2008 17:56:45	0	0	0	0	0
12	SCI_NL__OPNPDK20080616_175441_000060082069_00299_32918_8524.N1	16JUN2008 17:54:41	16JUN2008 19:34:49	0	0	0	0	0
13	SCI_NL__OPNPDE20080616_193353_000042112069_00300_32919_6982.N1	16JUN2008 19:33:53	16JUN2008 20:44:04	0	0	0	0	0
14	SCI_NL__OPNPDE20080616_204320_000062882069_00300_32919_6983.N1	16JUN2008 20:43:20	16JUN2008 22:28:08	0	0	0	0	0
15	SCI_NL__OPNPDE20080616_222723_000061252069_00301_32920_6984.N1	16JUN2008 22:27:23	17JUN2008 00:09:29	0	0	0	0	0

0.2 Product Quality Indicators

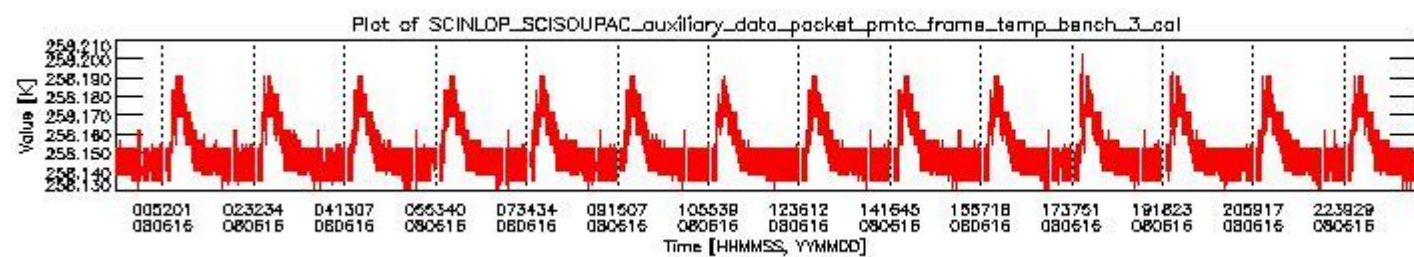
This section shows information about product quality, currently temperatures.



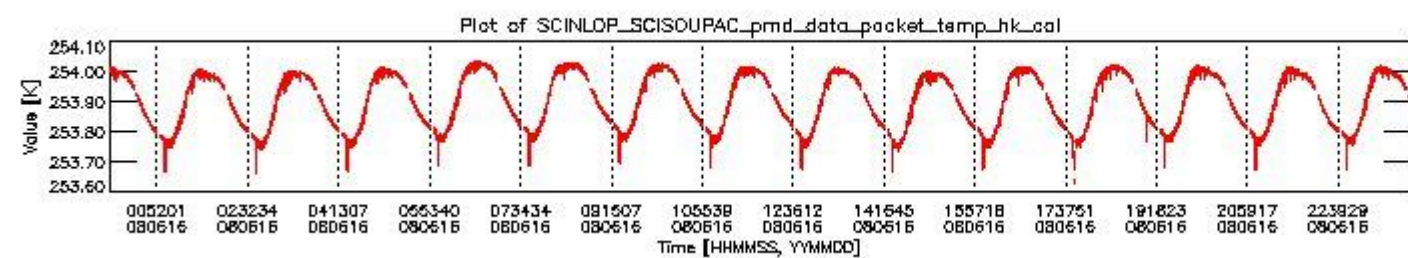
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080616_0.PNG



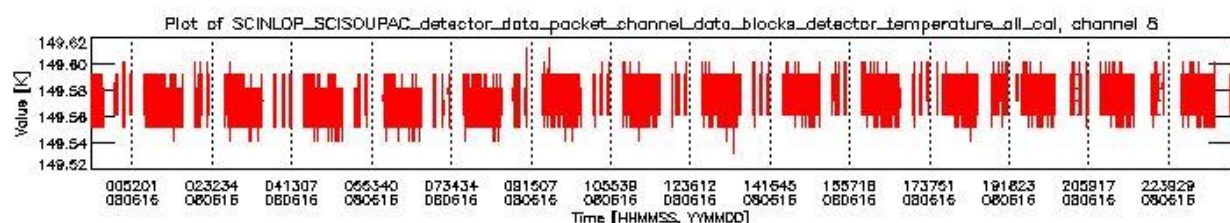
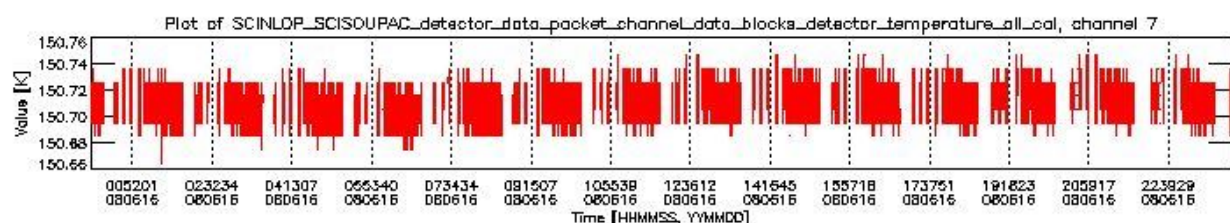
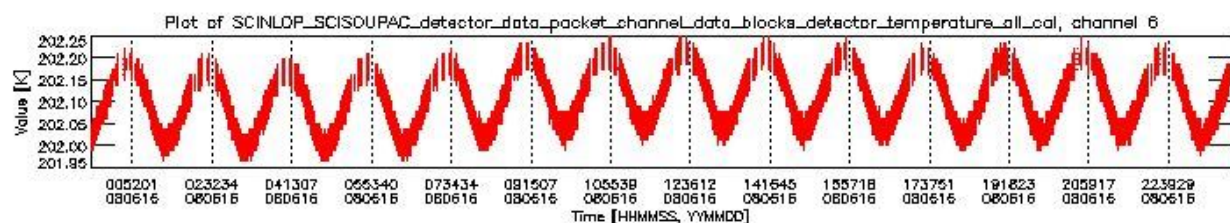
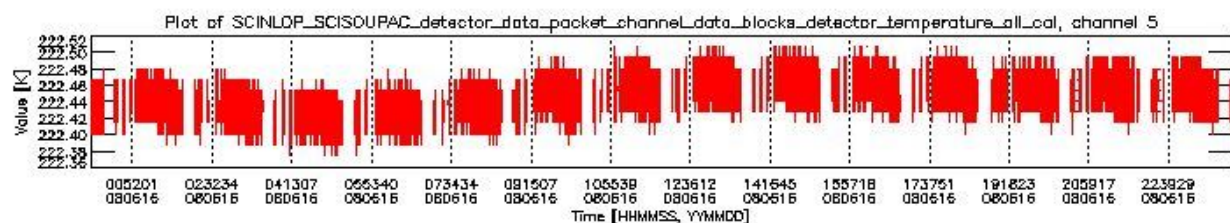
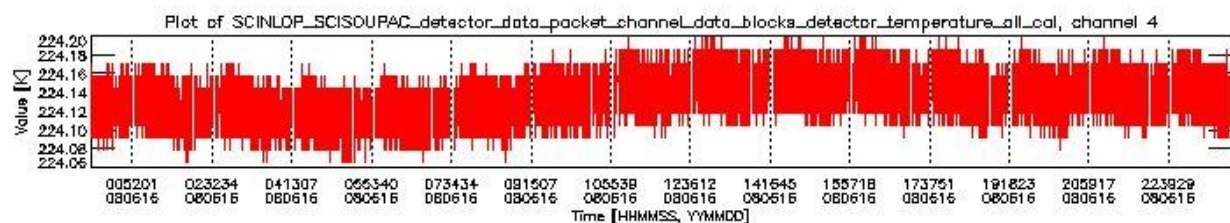
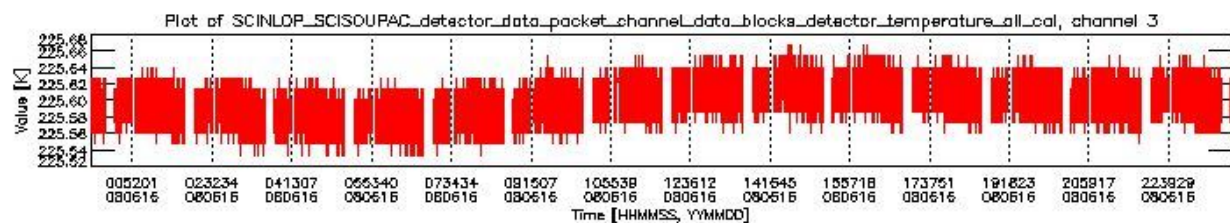
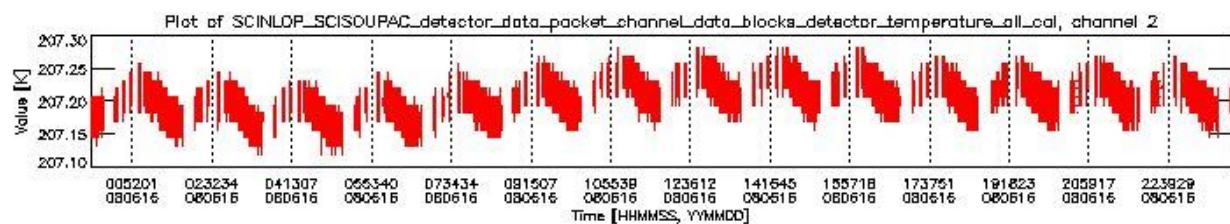
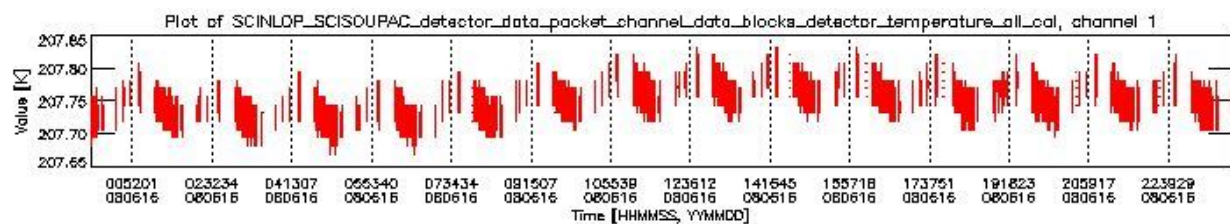
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080616_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080616_3.PNG

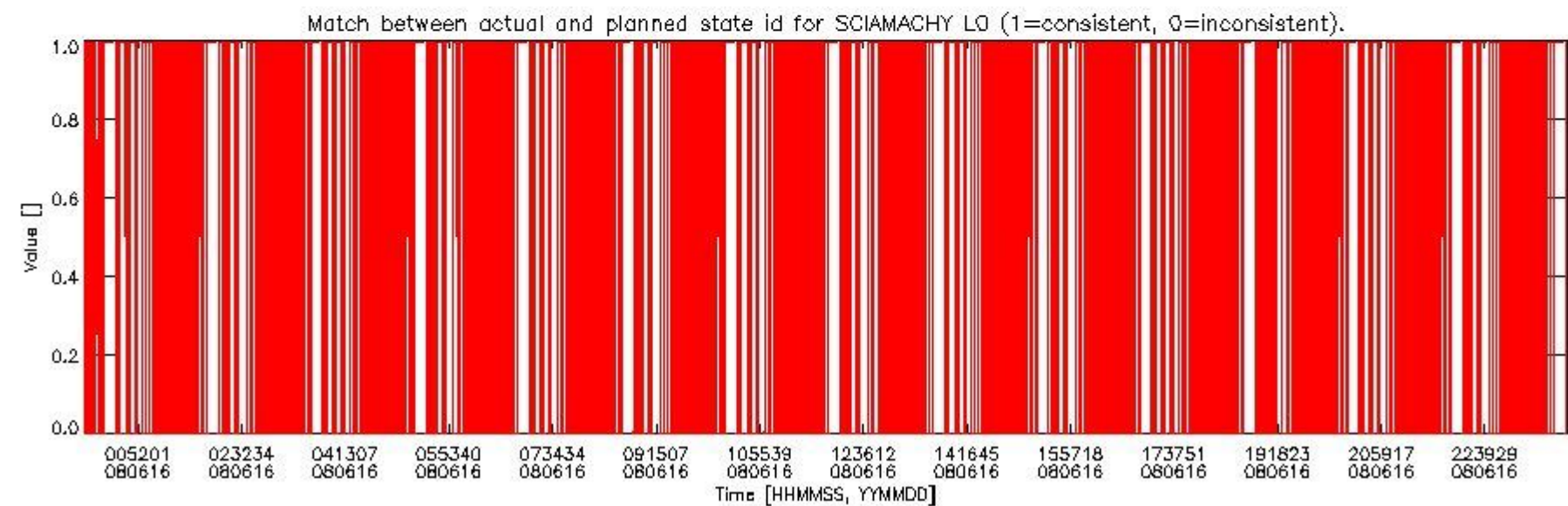
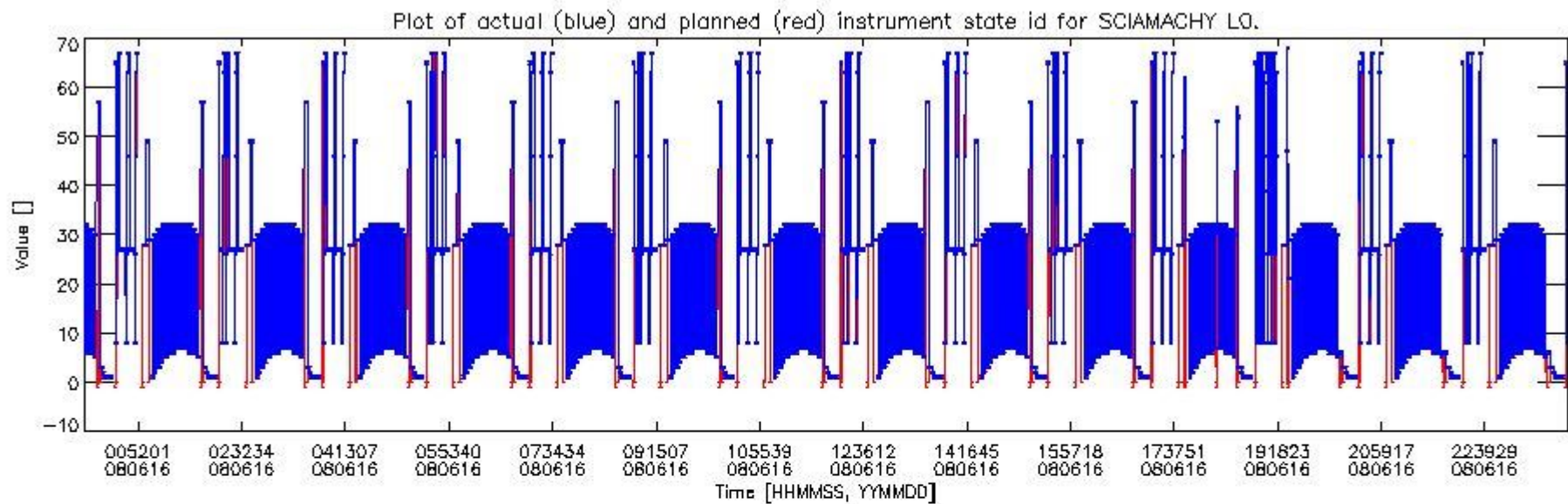


0.3 State monitoring

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: **30855**

#	Actual time	Actual value	Planned time	Planned value
0	16JUN2008 00:00:35.092346	6	16JUN2008 00:00:35.092346	32
1	16JUN2008 00:00:35.467319	6	16JUN2008 00:00:35.467319	32
2	16JUN2008 00:00:35.717328	6	16JUN2008 00:00:35.717328	32
3	16JUN2008 00:00:35.967337	6	16JUN2008 00:00:35.967337	32
4	16JUN2008 00:00:36.217345	6	16JUN2008 00:00:36.217345	32
5	16JUN2008 00:00:36.467314	6	16JUN2008 00:00:36.467314	32
6	16JUN2008 00:00:36.717322	6	16JUN2008 00:00:36.717322	32
7	16JUN2008 00:00:36.967331	6	16JUN2008 00:00:36.967331	32
8	16JUN2008 00:00:37.217340	6	16JUN2008 00:00:37.217340	32
9	16JUN2008 00:00:37.467308	6	16JUN2008 00:00:37.467308	32
10	16JUN2008 00:00:37.717317	6	16JUN2008 00:00:37.717317	32
11	16JUN2008 00:00:37.967326	6	16JUN2008 00:00:37.967326	32
12	16JUN2008 00:00:38.217334	6	16JUN2008 00:00:38.217334	32
13	16JUN2008 00:00:38.467343	6	16JUN2008 00:00:38.467343	32
14	16JUN2008 00:00:38.717312	6	16JUN2008 00:00:38.717312	32
15	16JUN2008 00:00:38.967320	6	16JUN2008 00:00:38.967320	32
16	16JUN2008 00:00:39.217329	6	16JUN2008 00:00:39.217329	32
17	16JUN2008 00:00:39.467338	6	16JUN2008 00:00:39.467338	32
18	16JUN2008 00:00:39.717346	6	16JUN2008 00:00:39.717346	32
19	16JUN2008 00:00:39.967315	6	16JUN2008 00:00:39.967315	32
...

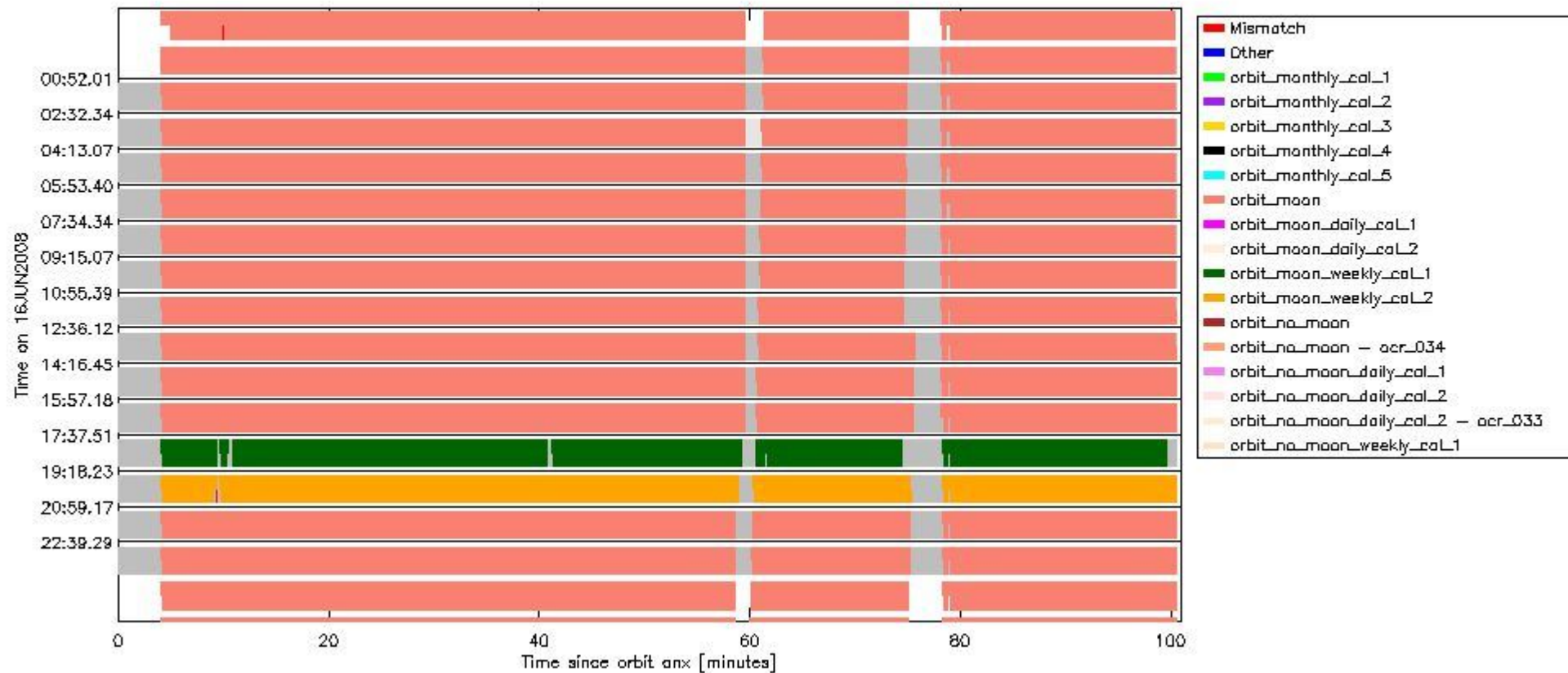


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080616_5.PNG

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 16JUN2008.
 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_20080616_6.PNG

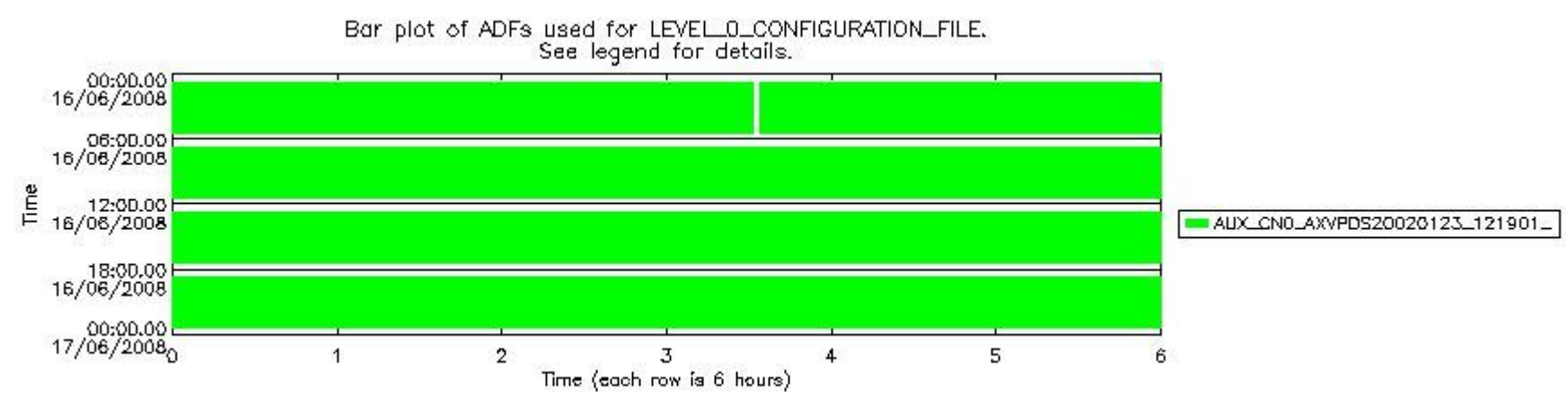
0.4 ADF monitoring

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

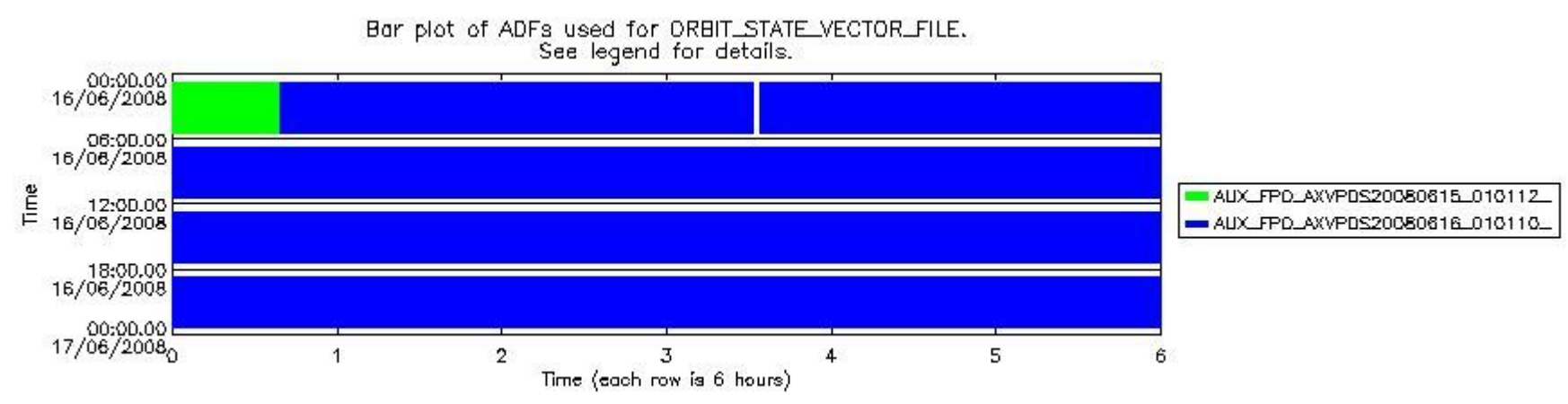
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

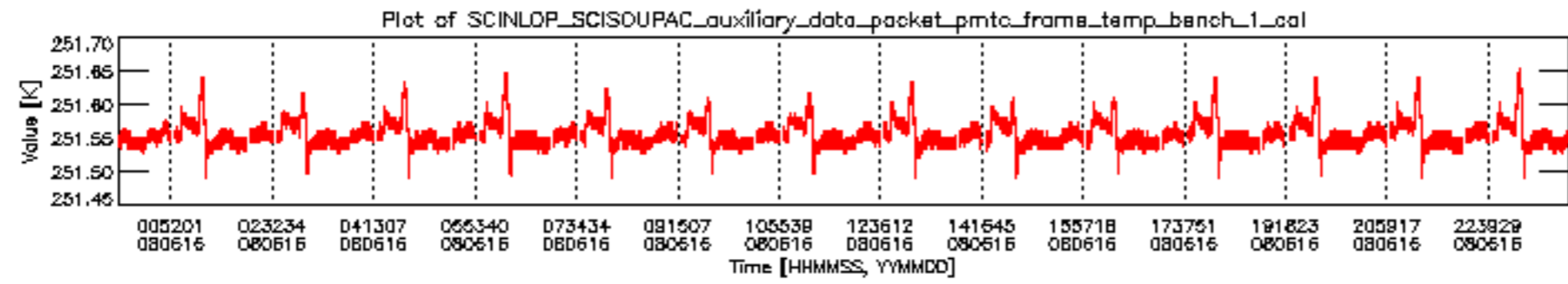
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080615_010112_20080614_184112_20080624_200725
2	AUX_FPO_AXVPDS20080616_010110_20080615_195011_20080625_211624

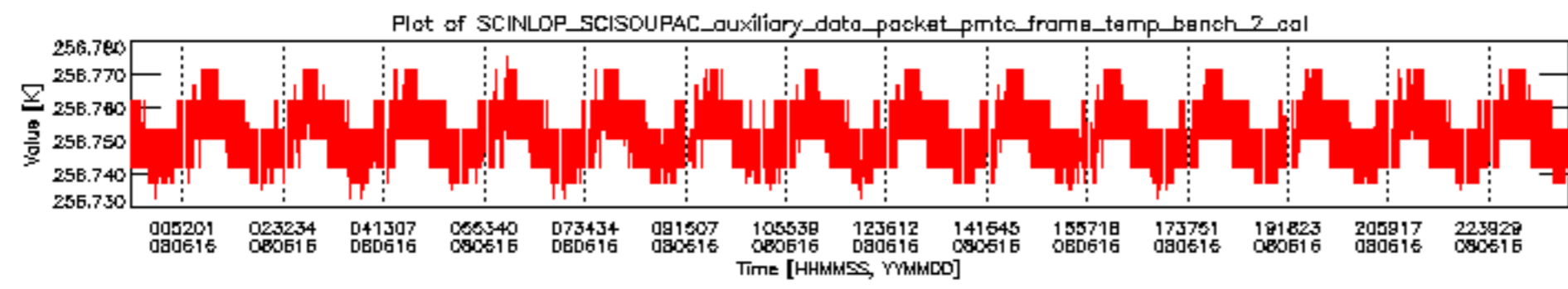


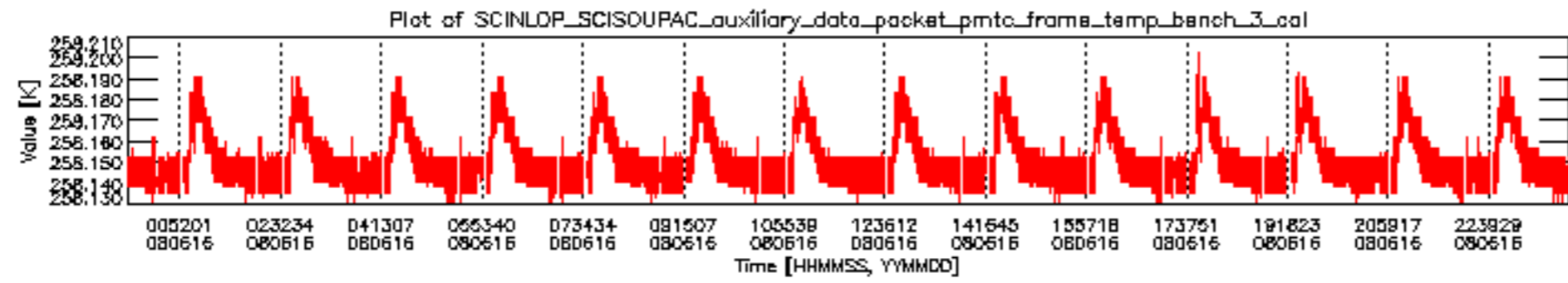
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080616_7.PNG

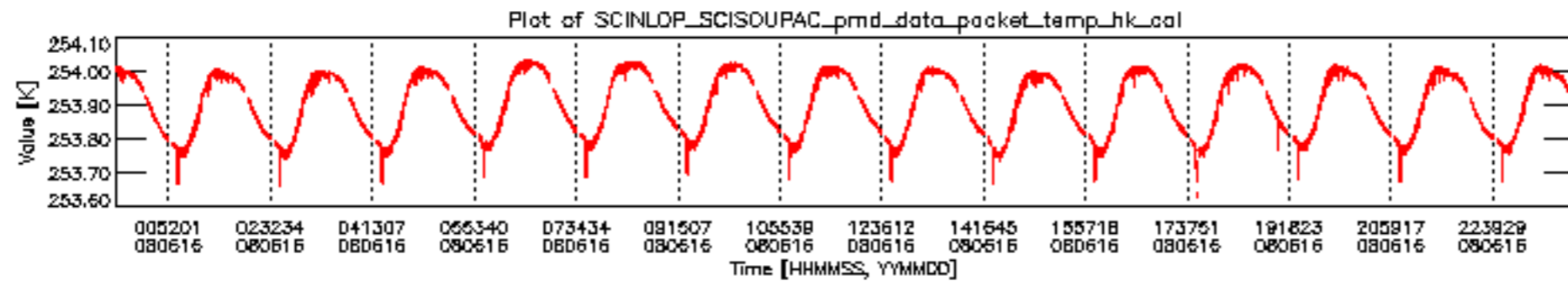


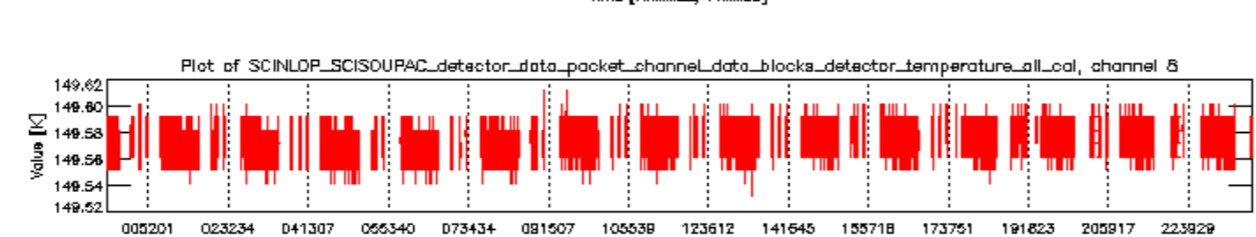
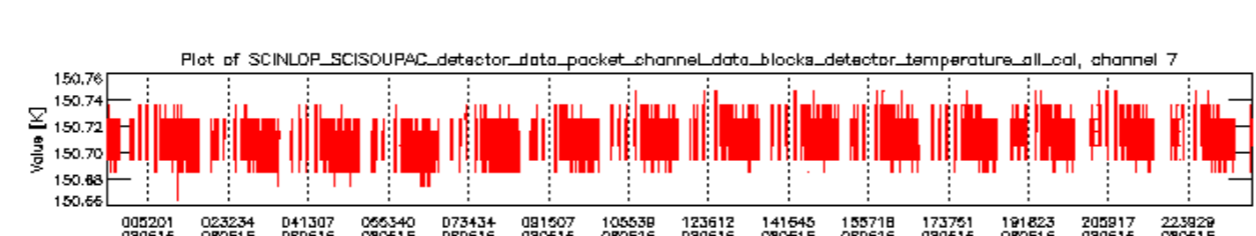
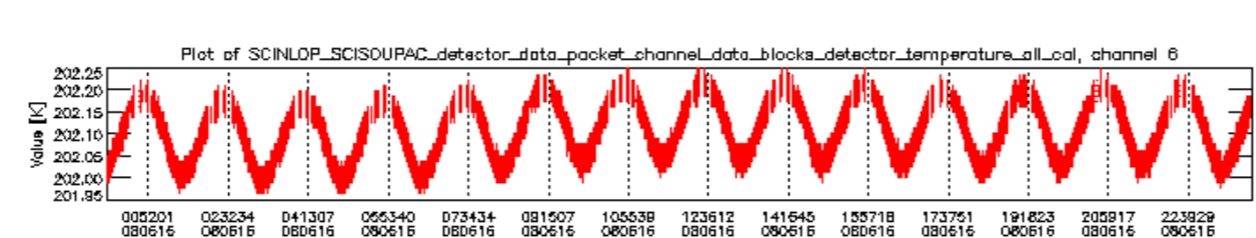
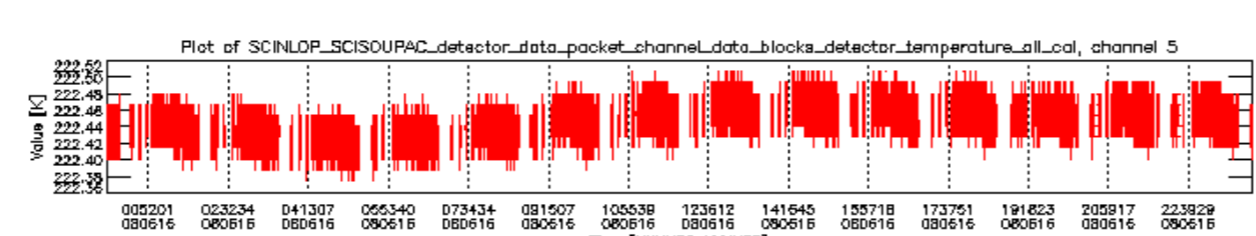
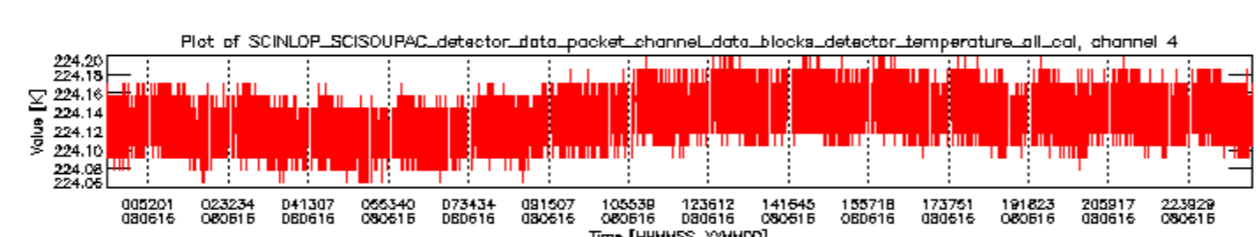
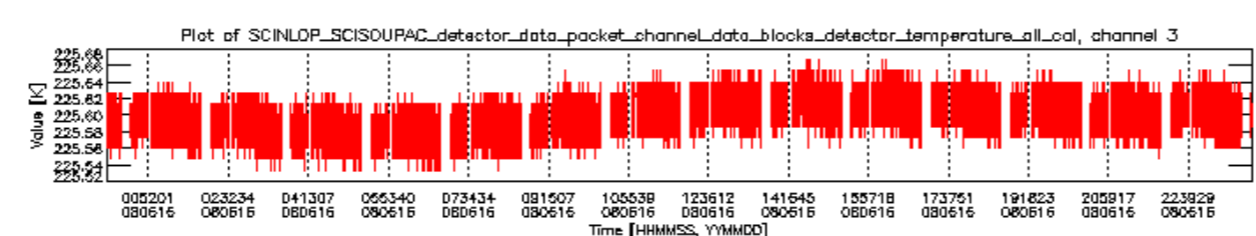
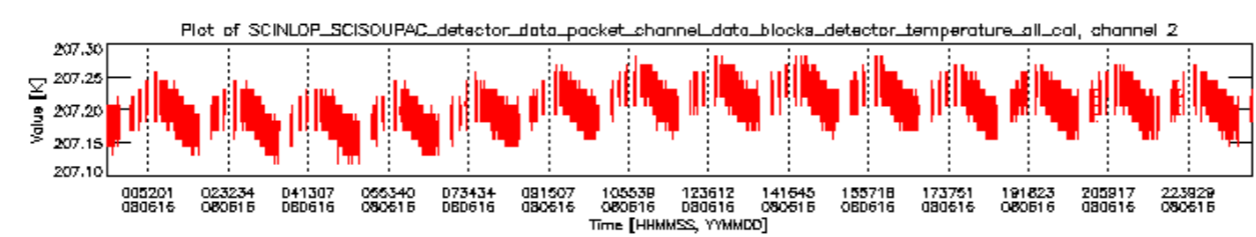
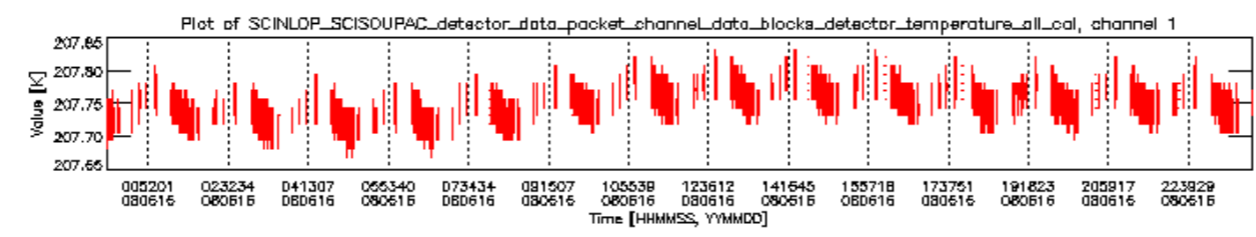
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080616_8.PNG

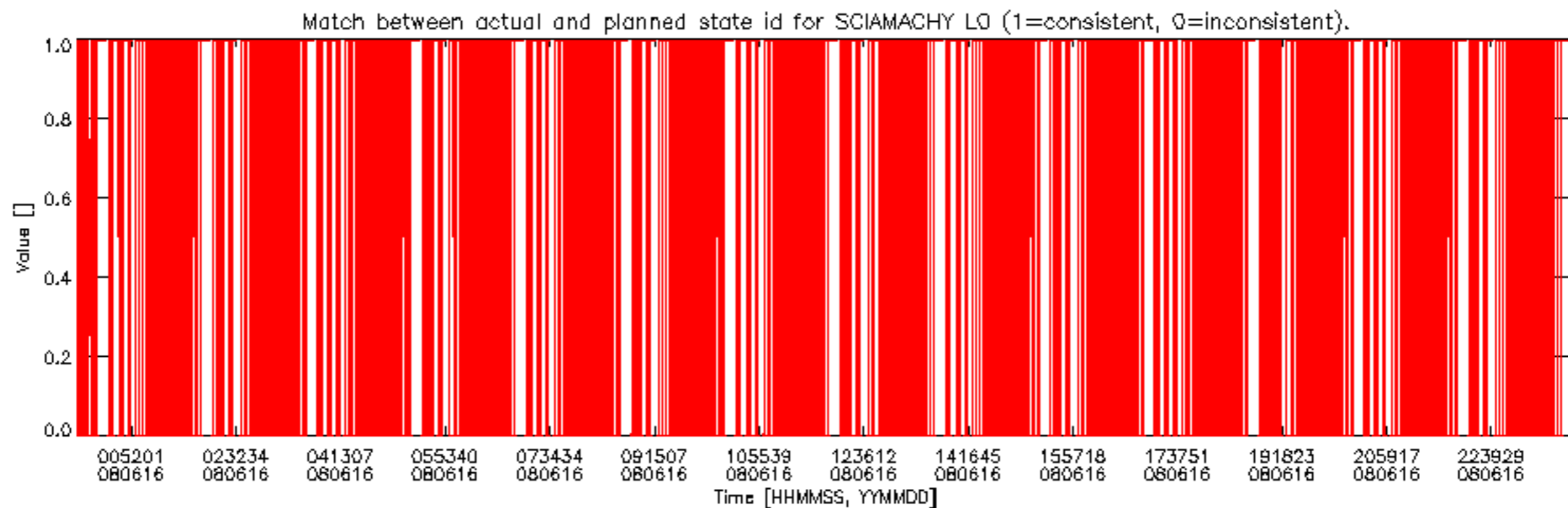
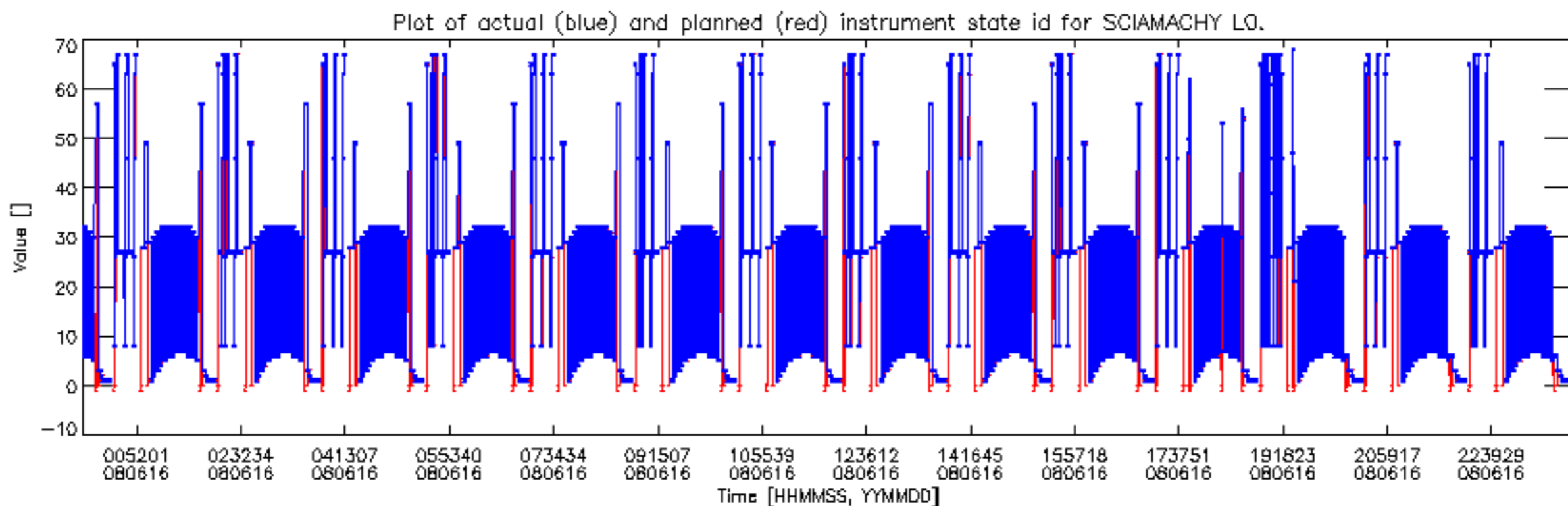












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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