

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	22JUL2008 05:21:46
Data source version	KSPT_L0/4303-N
Processing scope for products	18JUL2008 00:00:00 to 19JUL2008 00:00:00
Start time of first product within scope	17JUL2008 22:53:40
Stop time of last product within scope	19JUL2008 00:03:01
Total number of level 0 products	16
Number of level 0 products with errors	0

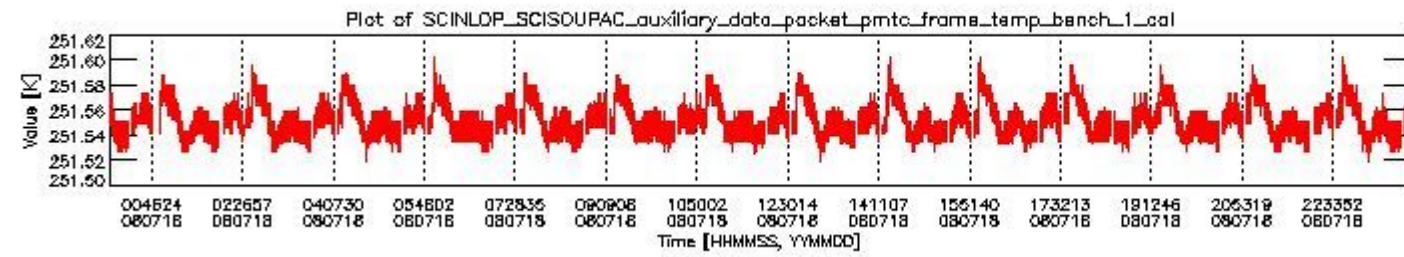
0.1.2 Summary per product

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

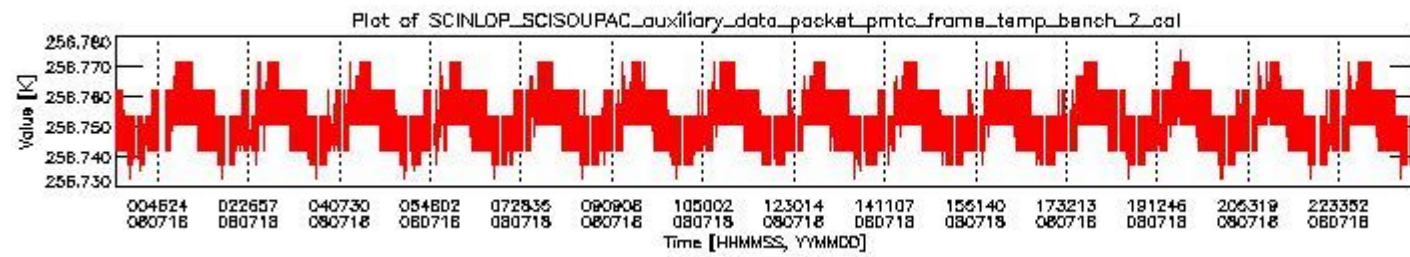
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080717_225340_000060992070_00244_33364_7127.N1	17JUL2008 22:53:40	18JUL2008 00:35:19	0	0	0	0	0
1	SCI_NL__OPNPDE20080718_003434_000057402070_00245_33365_7128.N1	18JUL2008 00:34:34	18JUL2008 02:10:15	0	0	0	0	0
2	SCI_NL__OPNPDE20080718_020931_000045812070_00246_33366_7129.N1	18JUL2008 02:09:31	18JUL2008 03:25:51	0	0	0	0	0
3	SCI_NL__OPNPDE20080718_032551_000061612070_00247_33367_7130.N1	18JUL2008 03:25:51	18JUL2008 05:08:32	0	0	0	0	0
4	SCI_NL__OPNPDE20080718_050723_000061052070_00248_33368_7131.N1	18JUL2008 05:07:23	18JUL2008 06:49:08	0	0	0	0	0
5	SCI_NL__OPNPDK20080718_064908_000041012070_00249_33369_8796.N1	18JUL2008 06:49:08	18JUL2008 07:57:29	0	0	0	0	0
6	SCI_NL__OPNPDK20080718_075634_000061052070_00250_33370_8797.N1	18JUL2008 07:56:34	18JUL2008 09:38:18	0	0	0	0	0
7	SCI_NL__OPNPDK20080718_093710_000060362070_00251_33371_8798.N1	18JUL2008 09:37:10	18JUL2008 11:17:46	0	0	0	0	0
8	SCI_NL__OPNPDK20080718_111637_000060492070_00252_33372_8799.N1	18JUL2008 11:16:37	18JUL2008 12:57:26	0	0	0	0	0
9	SCI_NL__OPNPDK20080718_125617_000059122070_00253_33373_8800.N1	18JUL2008 12:56:17	18JUL2008 14:34:49	0	0	0	0	0
10	SCI_NL__OPNPDK20080718_143340_000059802070_00254_33374_8801.N1	18JUL2008 14:33:40	18JUL2008 16:13:21	0	0	0	0	0
11	SCI_NL__OPNPDK20080718_161225_000059162070_00255_33375_8802.N1	18JUL2008 16:12:25	18JUL2008 17:51:01	0	0	0	0	0
12	SCI_NL__OPNPDK20080718_174856_000060492070_00256_33376_8803.N1	18JUL2008 17:48:56	18JUL2008 19:29:45	0	0	0	0	0
13	SCI_NL__OPNPDK20080718_192837_000061442070_00257_33377_8804.N1	18JUL2008 19:28:37	18JUL2008 21:11:00	0	0	0	0	0
14	SCI_NL__OPNPDE20080718_210952_000042332070_00258_33378_7132.N1	18JUL2008 21:09:52	18JUL2008 22:20:25	0	0	0	0	0
15	SCI_NL__OPNPDE20080718_221941_000062002070_00258_33378_7133.N1	18JUL2008 22:19:41	19JUL2008 00:03:01	0	0	0	0	0

0.2 Product Quality Indicators

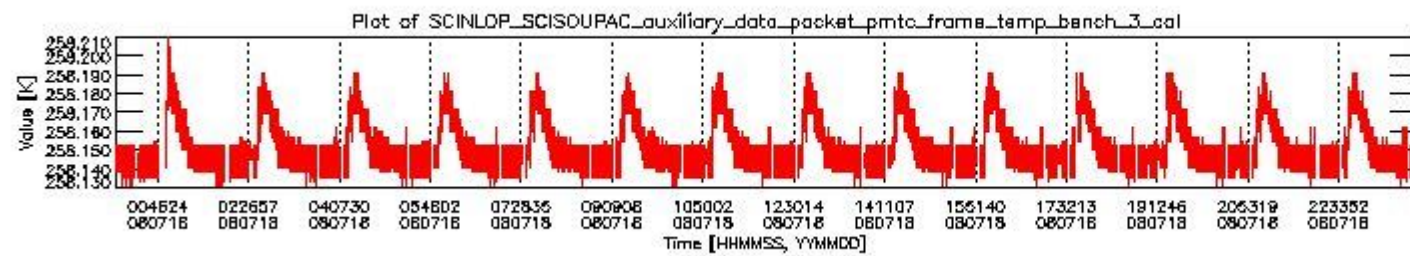
This section shows information about product quality, currently temperatures.



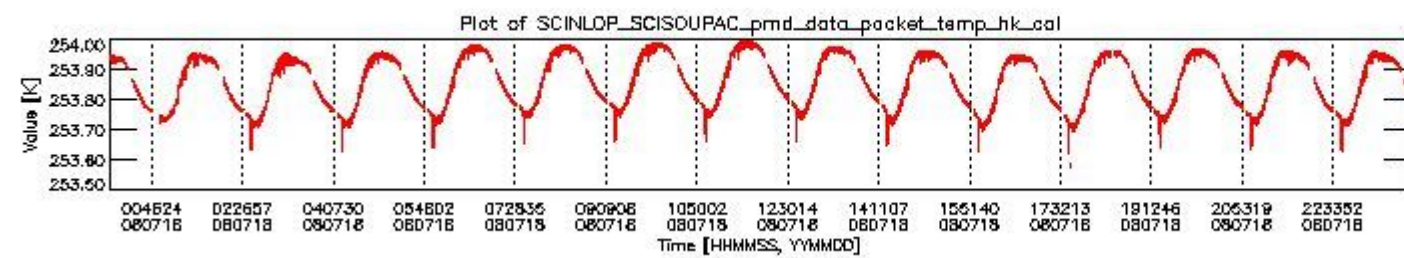
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080718_0.PNG



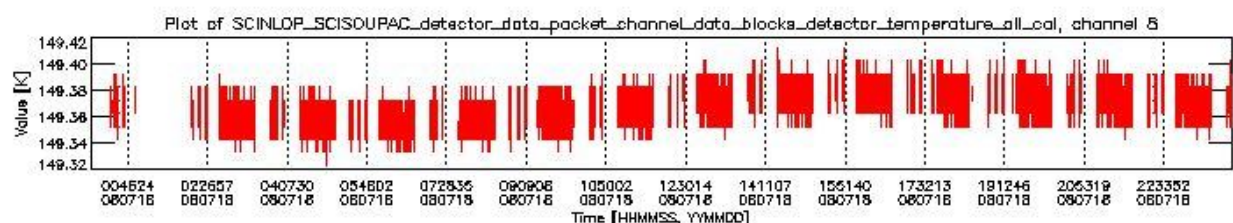
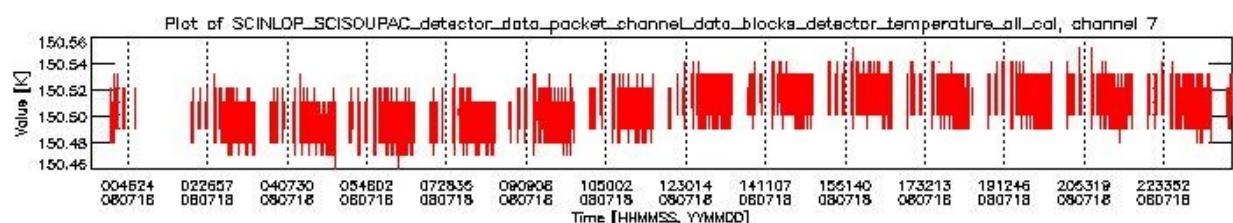
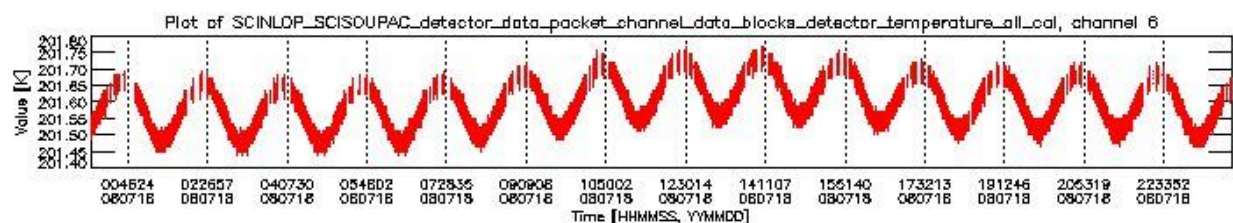
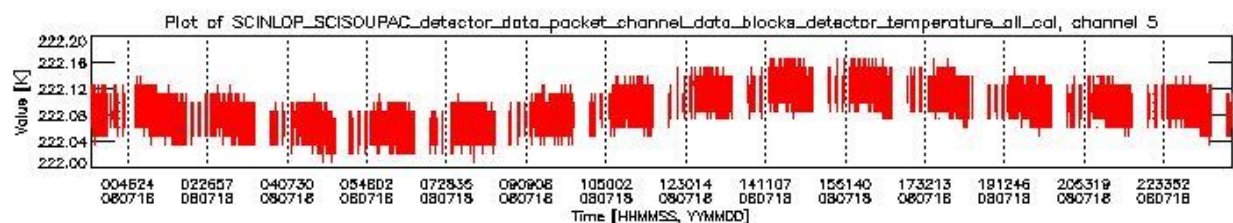
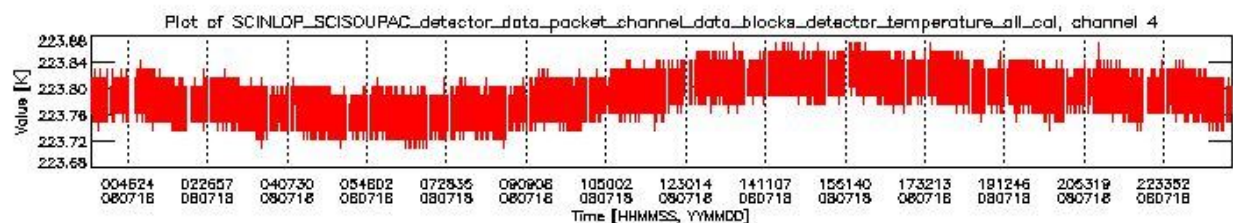
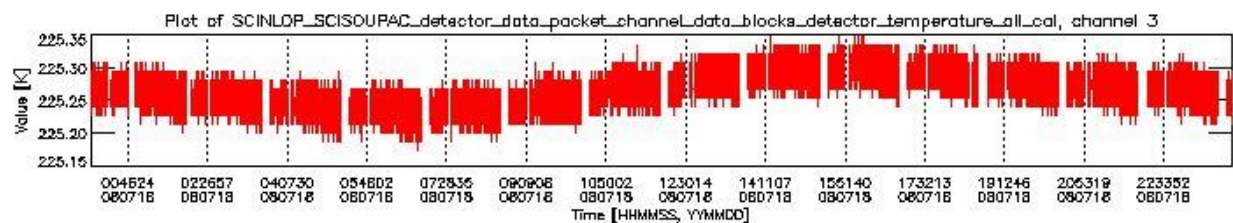
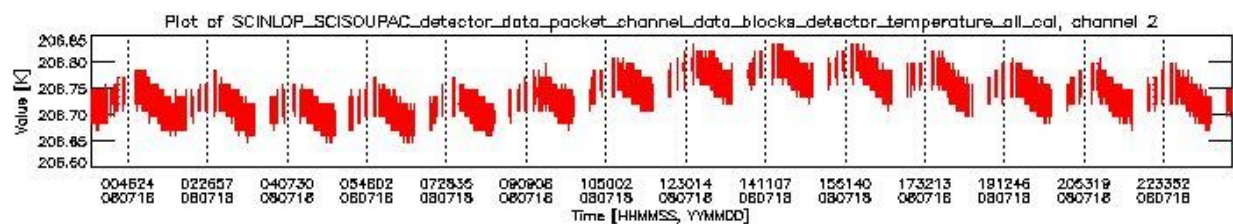
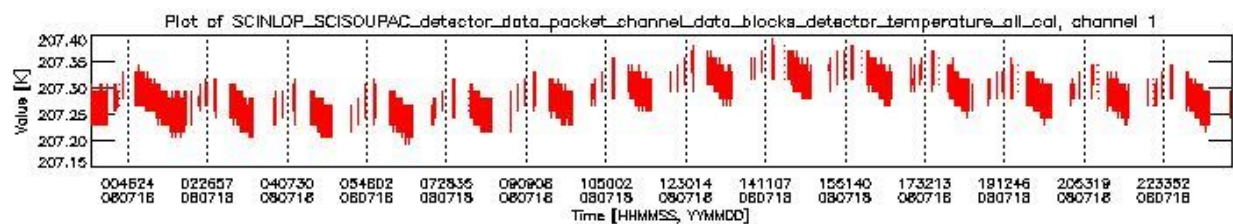
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080718_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080718_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080718_3.PNG

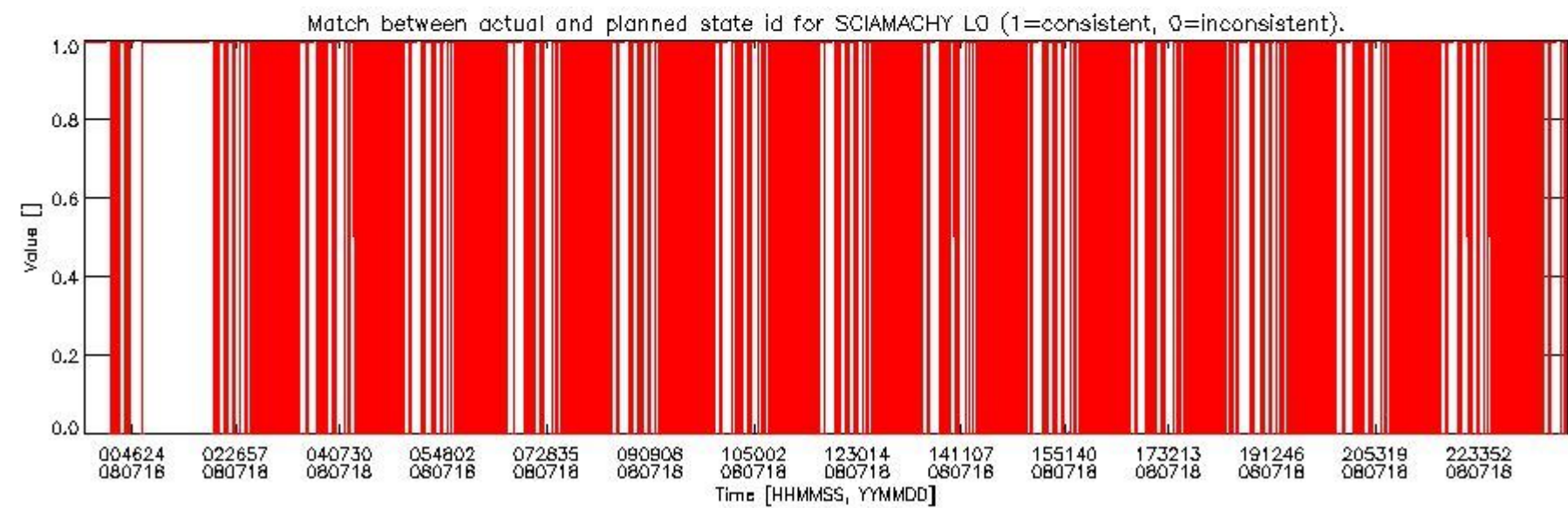
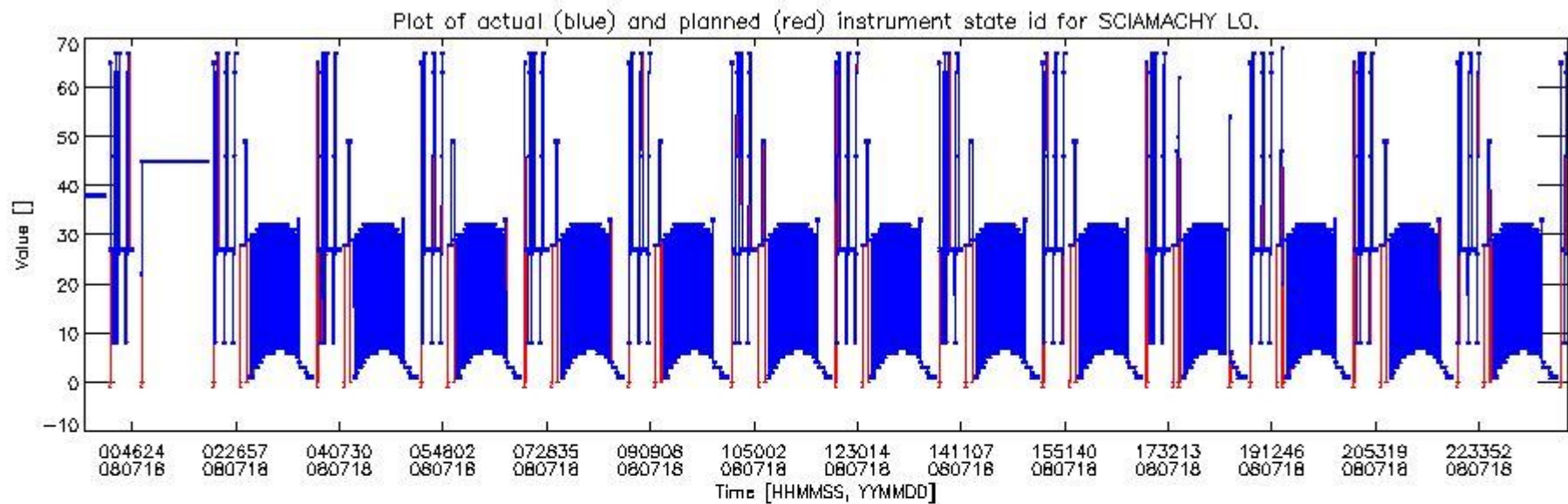


0.3 State monitoring

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: **28180**

#	Actual time	Actual value	Planned time	Planned value
0	18JUL2008 00:24:43.466466	65	18JUL2008 00:24:43.466466	0
1	18JUL2008 00:24:44.091488	65	18JUL2008 00:24:44.091488	0
2	18JUL2008 00:24:44.591465	65	18JUL2008 00:24:44.591465	0
3	18JUL2008 00:24:45.091482	65	18JUL2008 00:24:45.091482	0
4	18JUL2008 00:24:45.591500	65	18JUL2008 00:24:45.591500	0
5	18JUL2008 00:24:46.091477	65	18JUL2008 00:24:46.091477	0
6	18JUL2008 00:24:46.591494	65	18JUL2008 00:24:46.591494	0
7	18JUL2008 00:24:47.091471	65	18JUL2008 00:24:47.091471	0
8	18JUL2008 00:24:47.591489	65	18JUL2008 00:24:47.591489	0
9	18JUL2008 00:25:27.220403	27	18JUL2008 00:25:27.220403	0
10	18JUL2008 00:25:28.220397	27	18JUL2008 00:25:28.220397	0
11	18JUL2008 00:25:29.157910	27	18JUL2008 00:25:29.157910	0
12	18JUL2008 00:25:29.907896	27	18JUL2008 00:25:29.907896	0
13	18JUL2008 00:25:30.845408	27	18JUL2008 00:25:30.845408	0
14	18JUL2008 00:25:31.595394	27	18JUL2008 00:25:31.595394	0
15	18JUL2008 00:25:32.220376	27	18JUL2008 00:25:32.220376	0
16	18JUL2008 00:25:32.532907	27	18JUL2008 00:25:32.532907	0
17	18JUL2008 00:25:33.282892	27	18JUL2008 00:25:33.282892	0
18	18JUL2008 00:27:39.400092	8	18JUL2008 00:27:39.400092	27
19	18JUL2008 00:27:40.525091	8	18JUL2008 00:27:40.525091	27
...

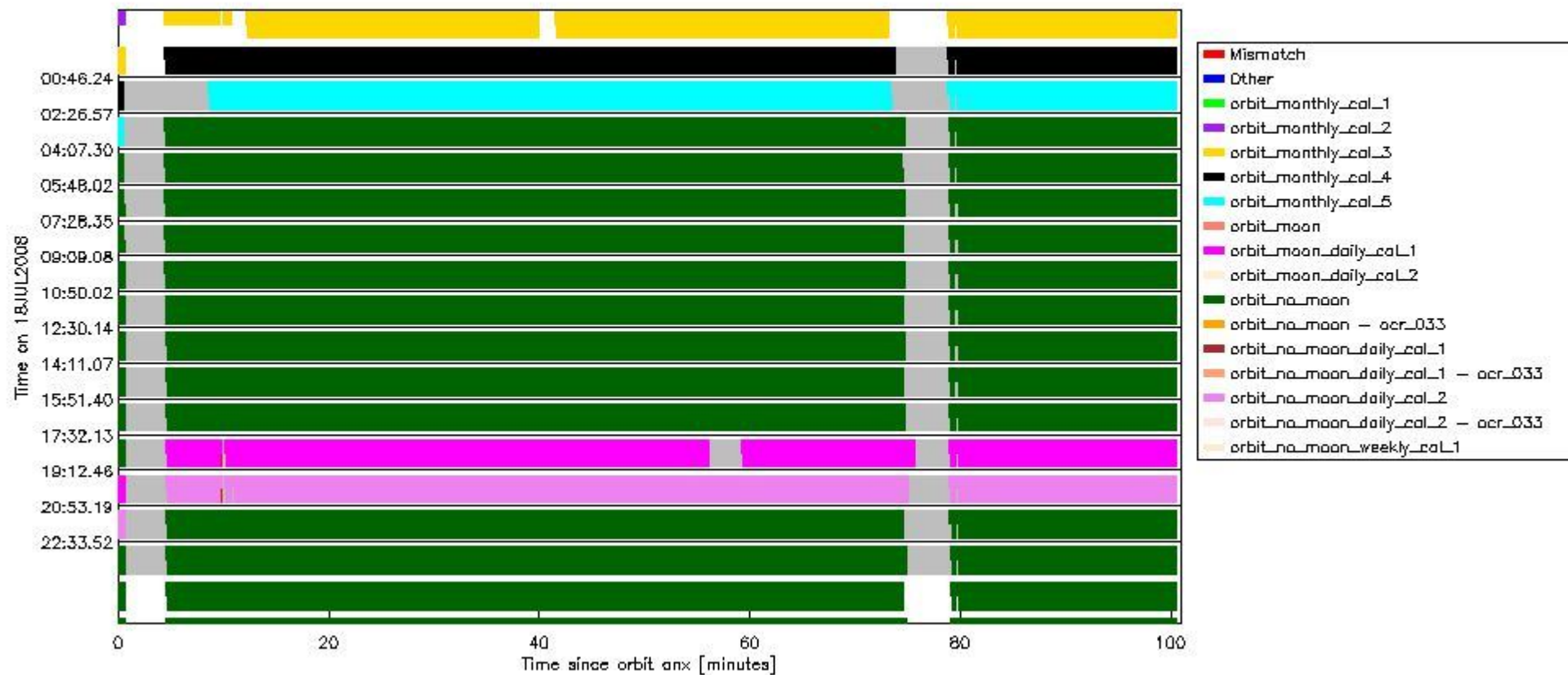


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080718_5.PNG

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 18JUL2008.
 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_20080718_6.PNG

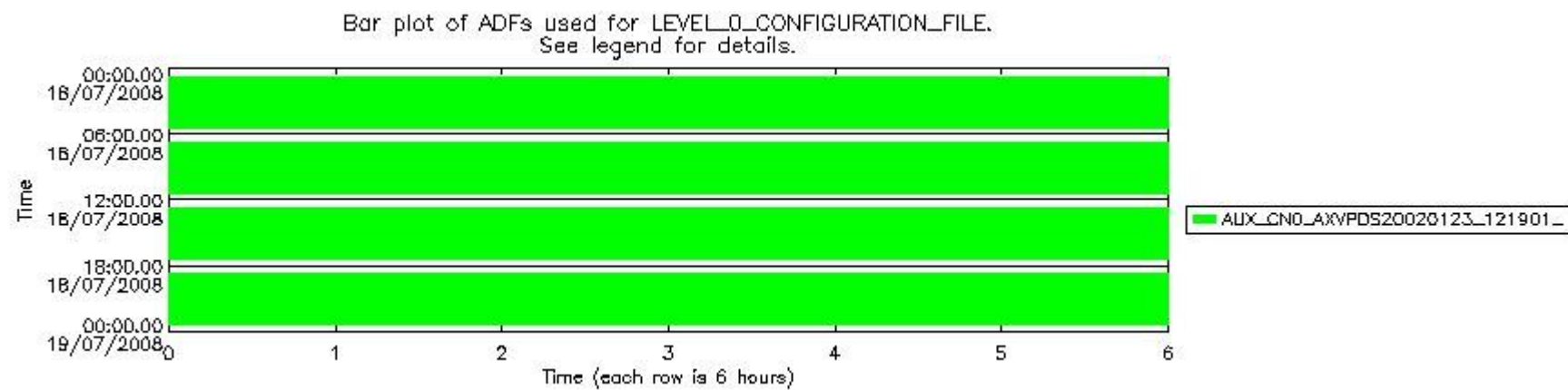
0.4 ADF monitoring

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

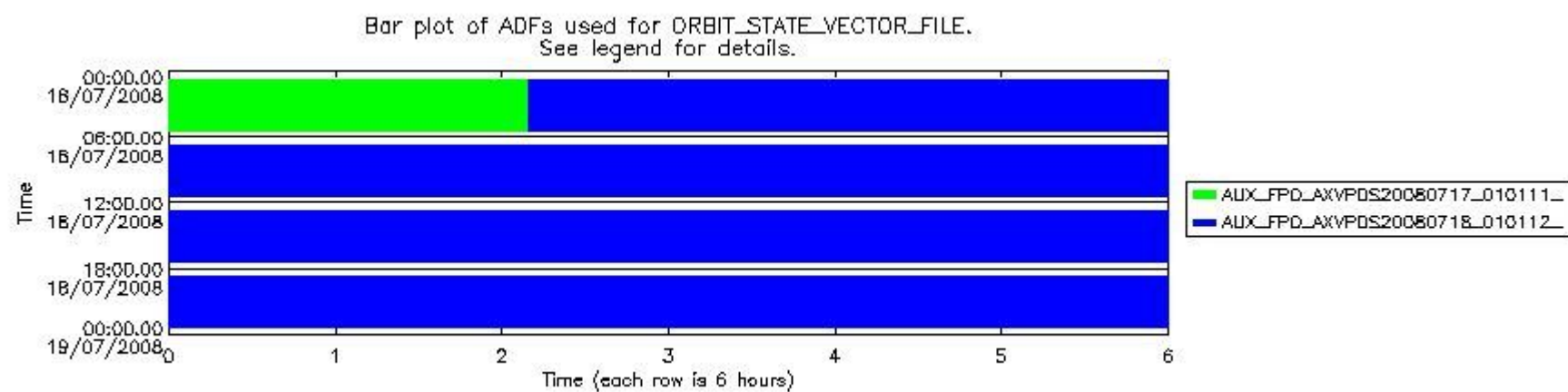
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

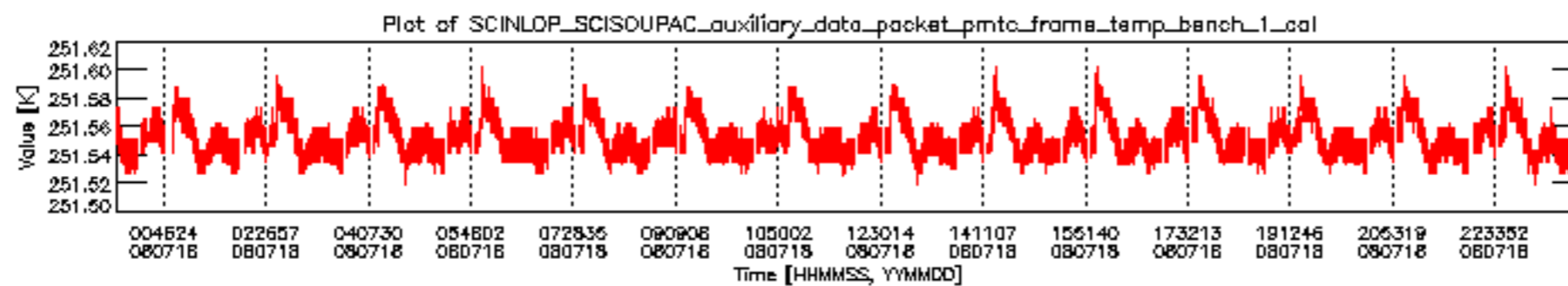
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080717_010111_20080716_183528_20080726_200141
2	AUX_FPO_AXVPDS20080718_010112_20080717_194427_20080727_211040

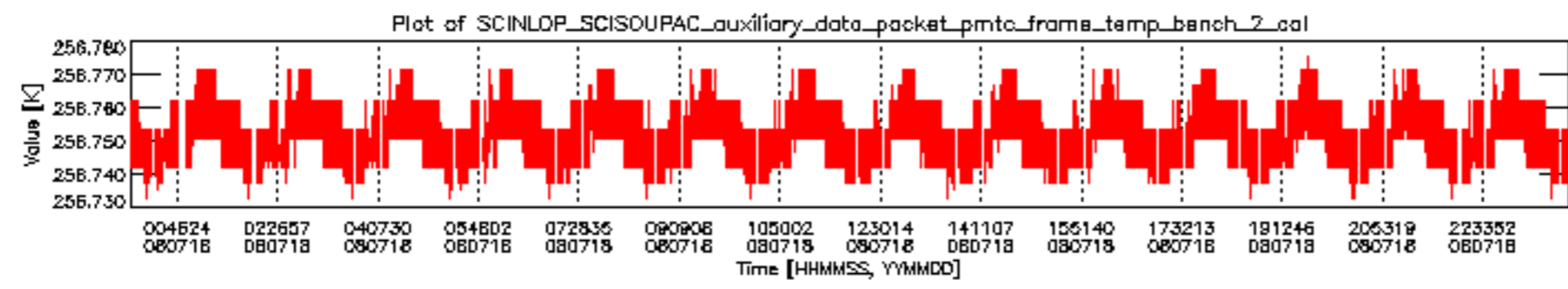


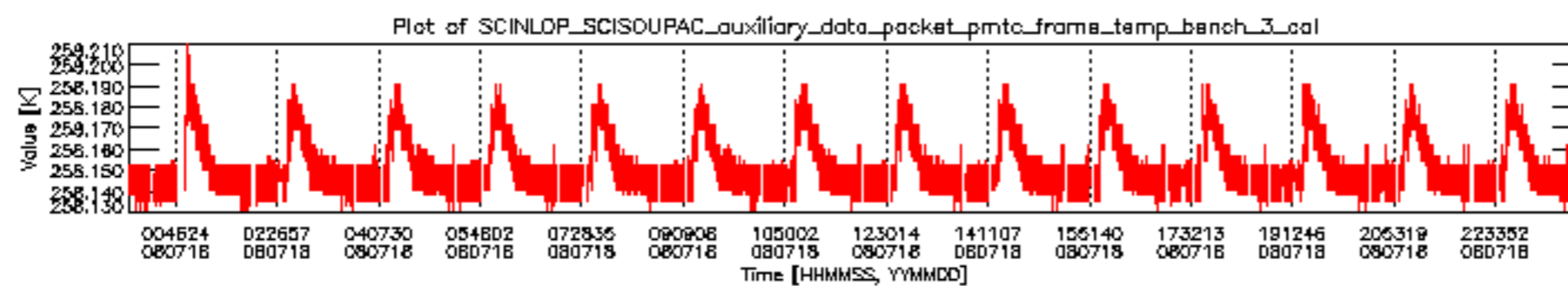
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080718_7.PNG

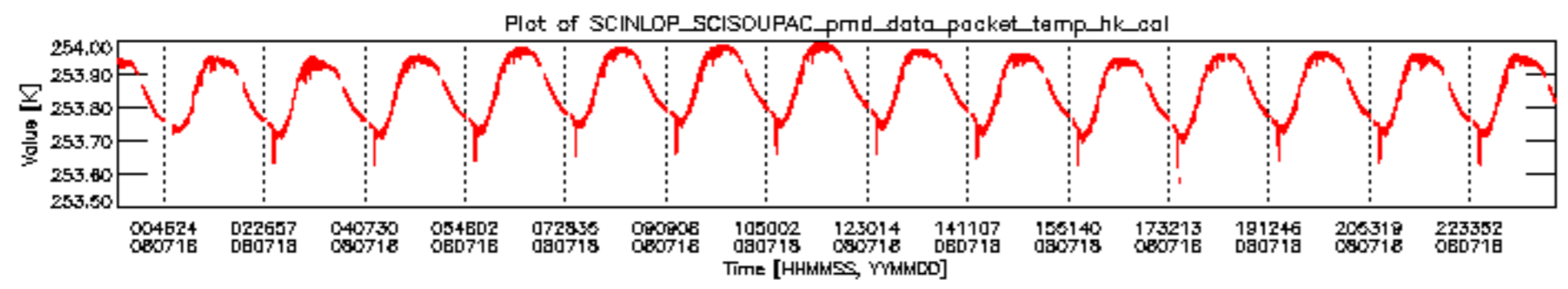


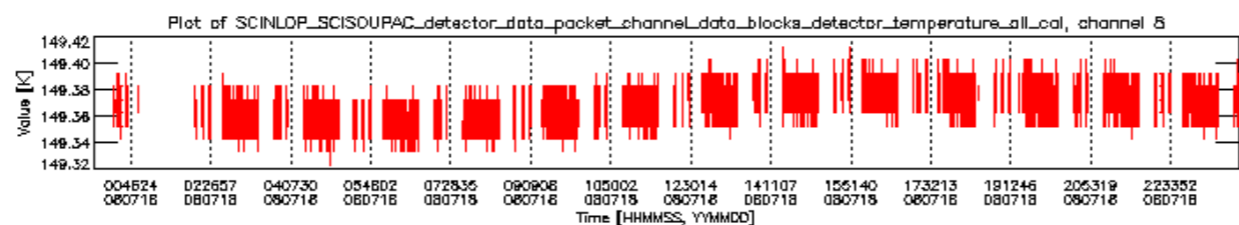
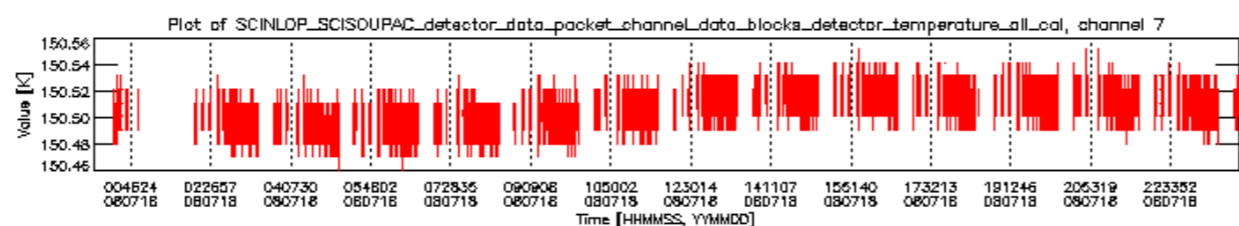
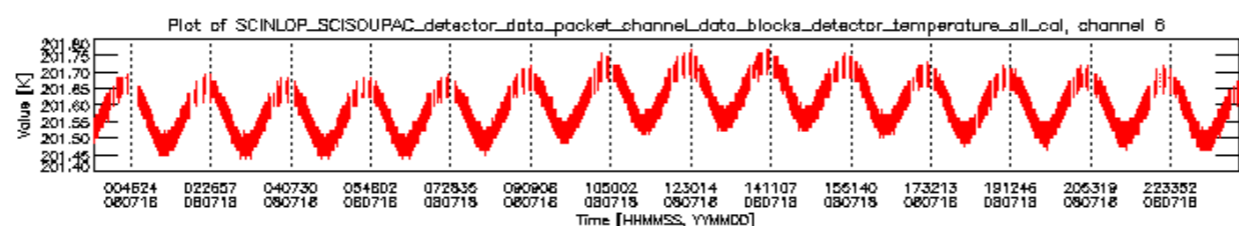
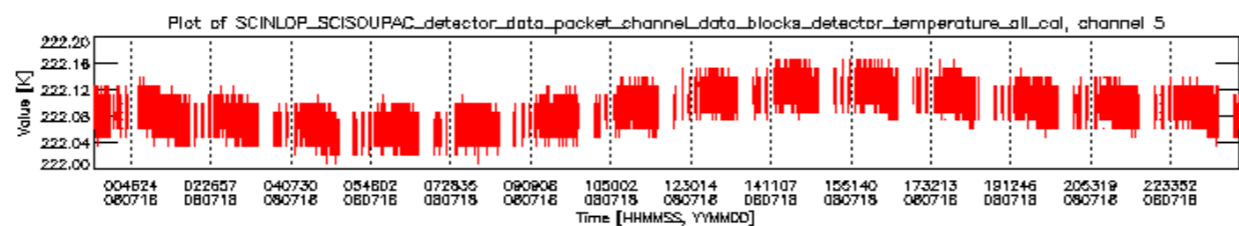
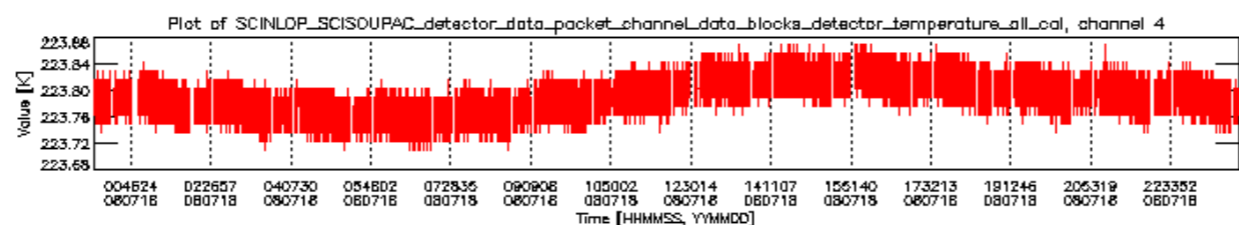
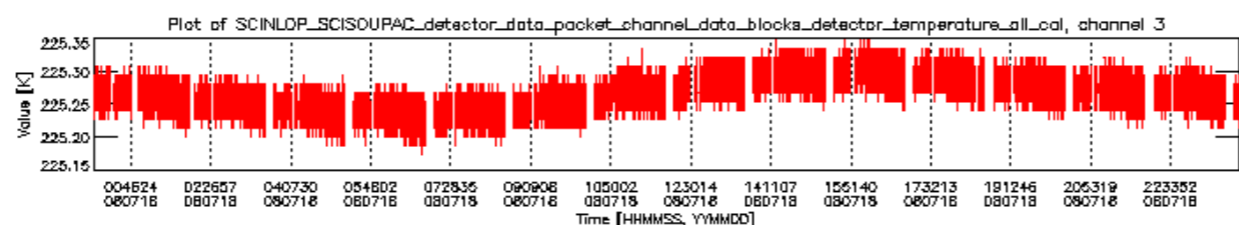
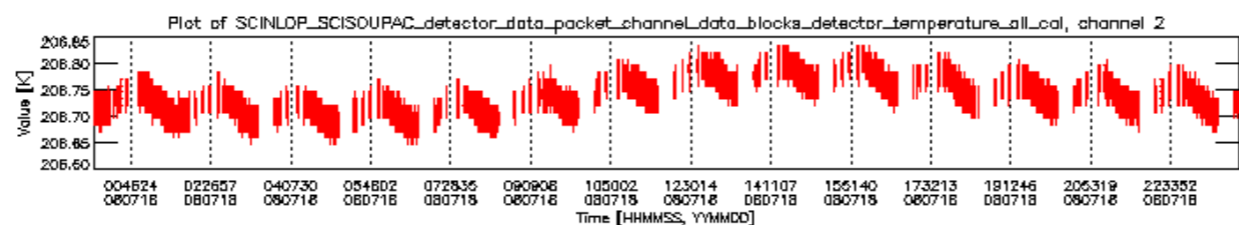
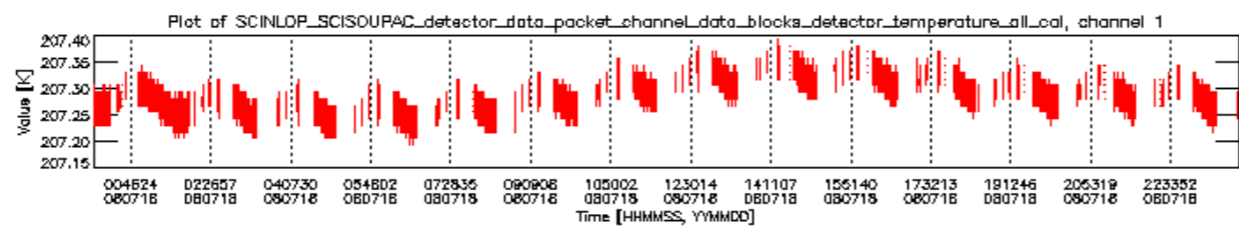
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080718_8.PNG

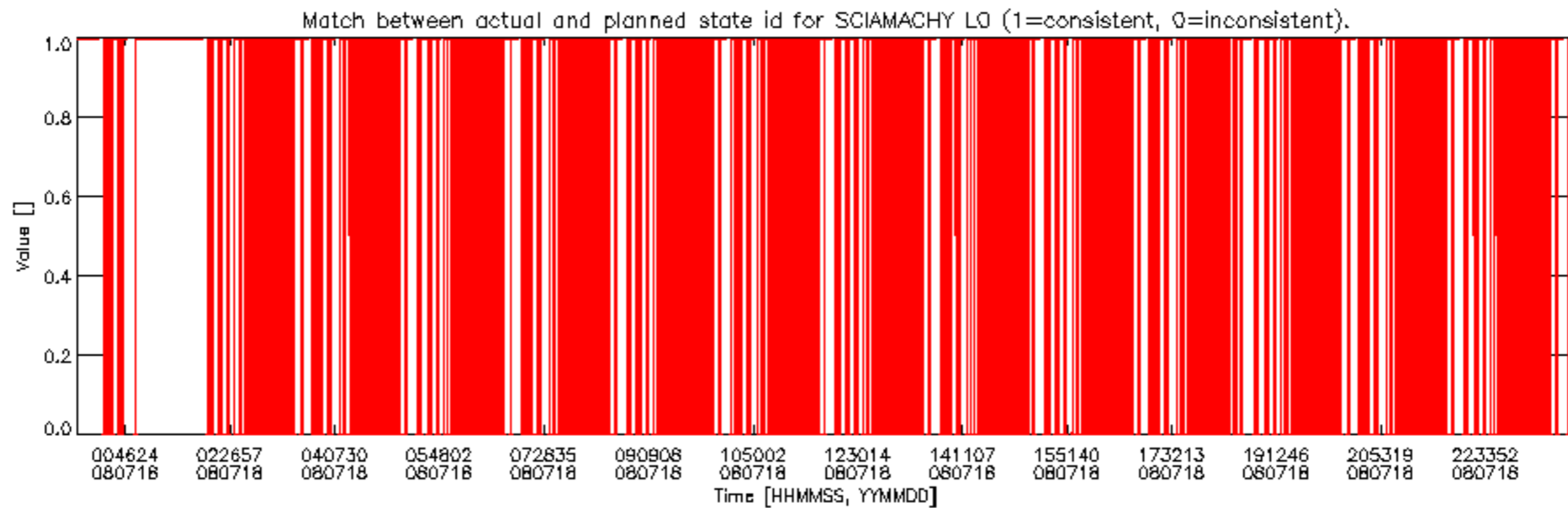
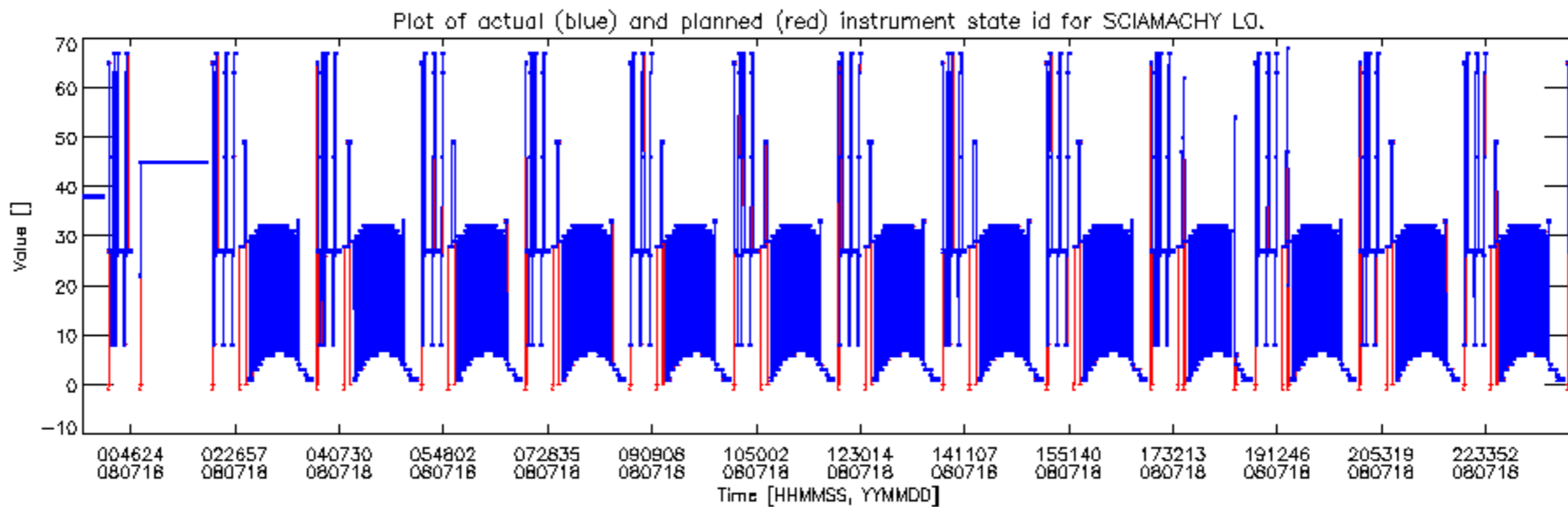












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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