

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	05MAY2008 07:46:31
Data source version	KSPT_L0/4303-N
Processing scope for products	01MAY2008 00:00:00 to 02MAY2008 00:00:00
Start time of first product within scope	30APR2008 23:42:45
Stop time of last product within scope	02MAY2008 00:55:14
Total number of level 0 products	16
Number of level 0 products with errors	0

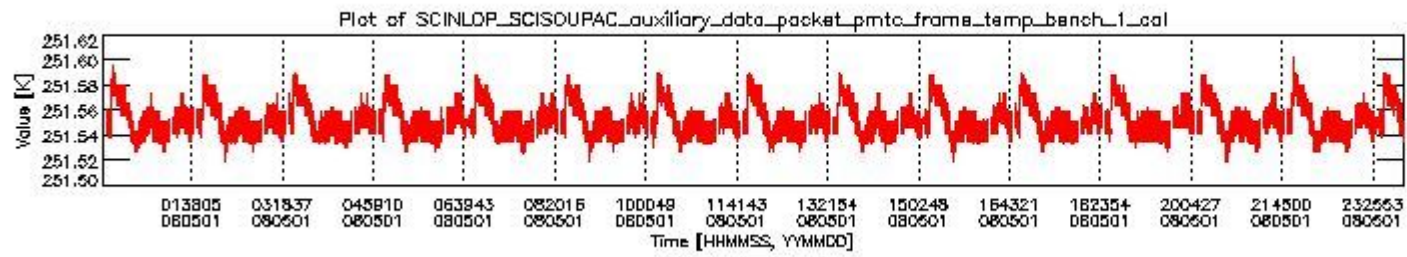
0.1.2 Summary per product

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

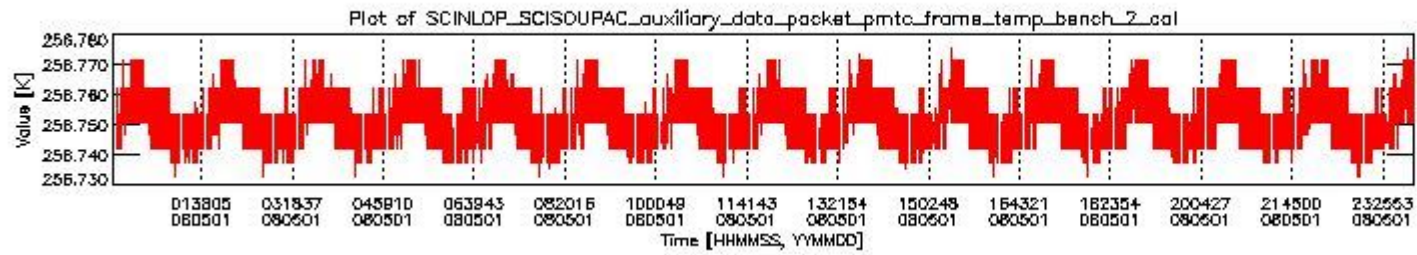
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080430_234245_000061632068_00130_32248_6590.N1	30APR2008 23:42:45	01MAY2008 01:25:28	0	0	0	0	0
1	SCI_NL__OPNPDE20080501_012444_000046412068_00131_32249_6591.N1	01MAY2008 01:24:44	01MAY2008 02:42:06	0	0	0	0	0
2	SCI_NL__OPNPDE20080501_024057_000058432068_00132_32250_6592.N1	01MAY2008 02:40:57	01MAY2008 04:18:20	0	0	0	0	0
3	SCI_NL__OPNPDE20080501_041724_000061602068_00133_32251_6593.N1	01MAY2008 04:17:24	01MAY2008 06:00:04	0	0	0	0	0
4	SCI_NL__OPNPDK20080501_055908_000041572068_00134_32252_8094.N1	01MAY2008 05:59:08	01MAY2008 07:08:25	0	0	0	0	0
5	SCI_NL__OPNPDK20080501_070729_000061602068_00135_32253_8095.N1	01MAY2008 07:07:29	01MAY2008 08:50:09	0	0	0	0	0
6	SCI_NL__OPNPDK20080501_084913_000059672068_00136_32254_8096.N1	01MAY2008 08:49:13	01MAY2008 10:28:40	0	0	0	0	0
7	SCI_NL__OPNPDK20080501_102731_000060482068_00137_32255_8097.N1	01MAY2008 10:27:31	01MAY2008 12:08:20	0	0	0	0	0
8	SCI_NL__OPNPDK20080501_120711_000059672068_00138_32256_8098.N1	01MAY2008 12:07:11	01MAY2008 13:46:38	0	0	0	0	0
9	SCI_NL__OPNPDK20080501_134542_000059802068_00139_32257_8099.N1	01MAY2008 13:45:42	01MAY2008 15:25:22	0	0	0	0	0
10	SCI_NL__OPNPDK20080501_152413_000059112068_00140_32258_8100.N1	01MAY2008 15:24:13	01MAY2008 17:02:45	0	0	0	0	0
11	SCI_NL__OPNPDK20080501_170136_000059972068_00141_32259_8101.N1	01MAY2008 17:01:36	01MAY2008 18:41:33	0	0	0	0	0
12	SCI_NL__OPNPDK20080501_184037_000058552068_00142_32260_8102.N1	01MAY2008 18:40:37	01MAY2008 20:18:12	0	0	0	0	0
13	SCI_NL__OPNPDE20080501_201636_000044272068_00143_32261_6594.N1	01MAY2008 20:16:36	01MAY2008 21:30:23	0	0	0	0	0
14	SCI_NL__OPNPDE20080501_212815_000063752068_00143_32261_6595.N1	01MAY2008 21:28:15	01MAY2008 23:14:31	0	0	0	0	0
15	SCI_NL__OPNPDE20080501_231310_000061242068_00144_32262_6596.N1	01MAY2008 23:13:10	02MAY2008 00:55:14	0	0	0	0	0

0.2 Product Quality Indicators

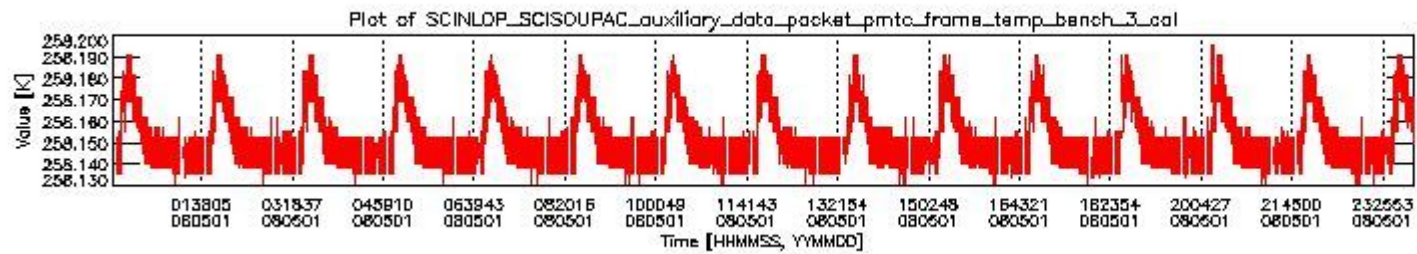
This section shows information about product quality, currently temperatures.



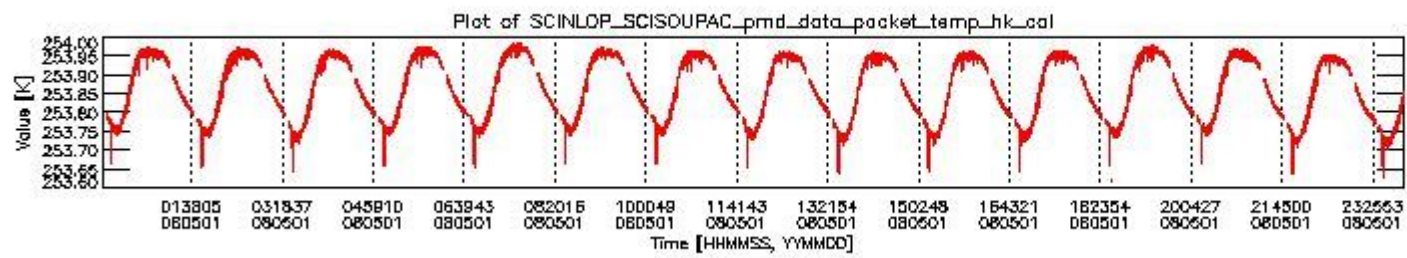
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080501_0.PNG



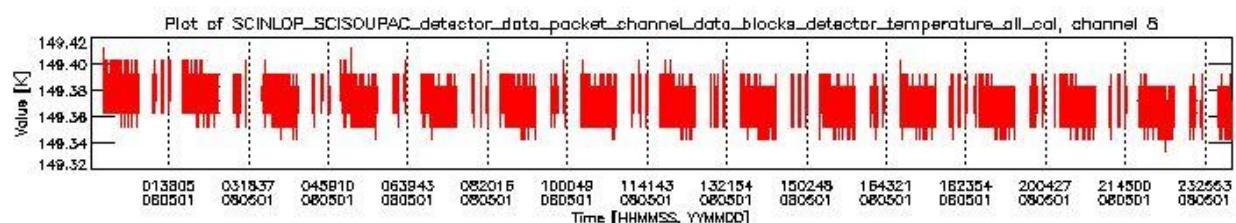
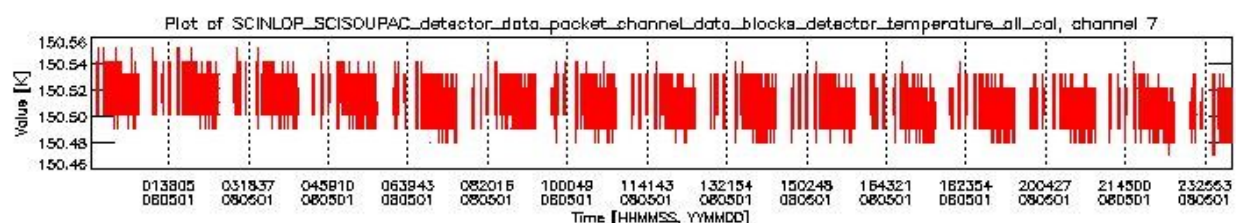
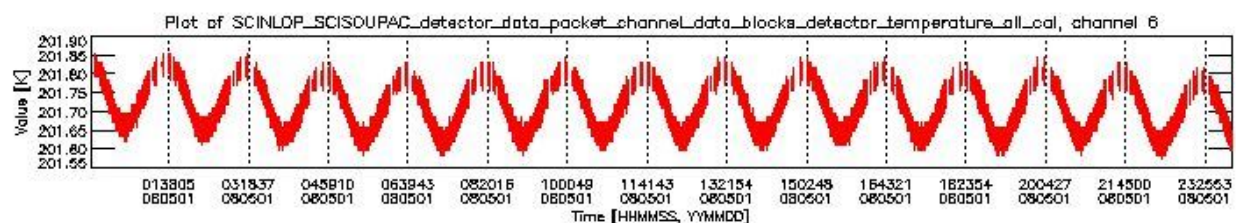
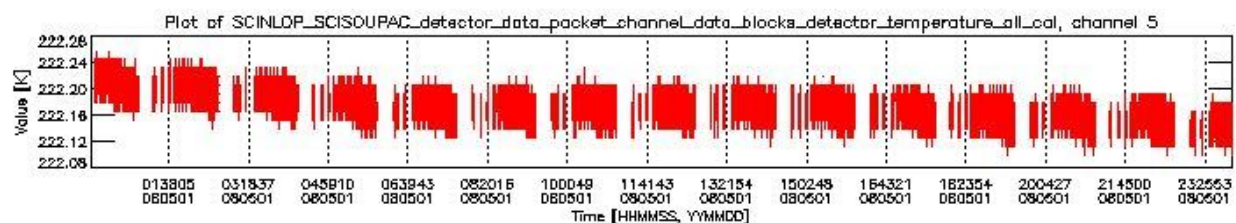
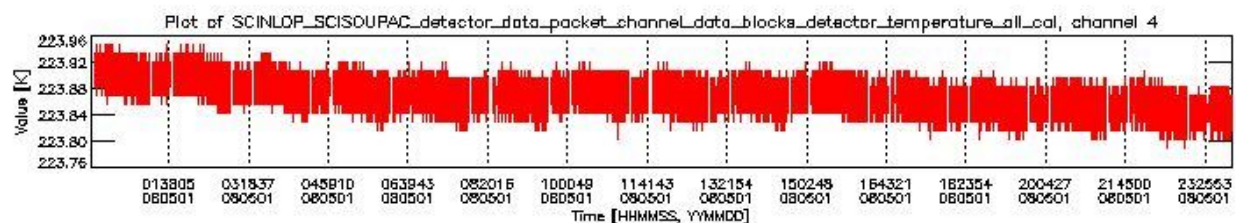
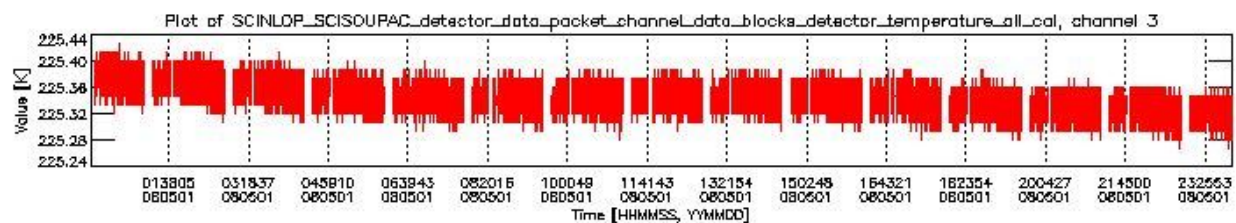
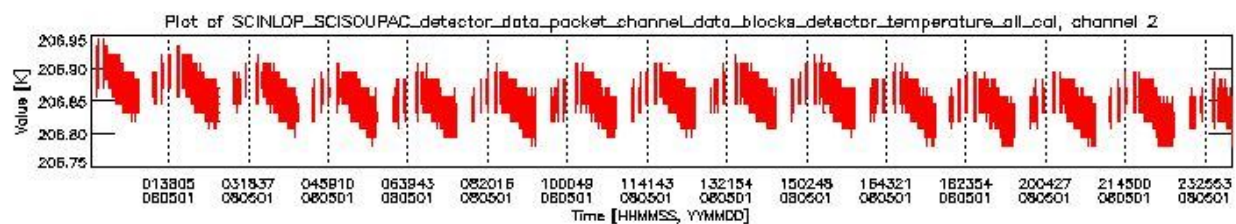
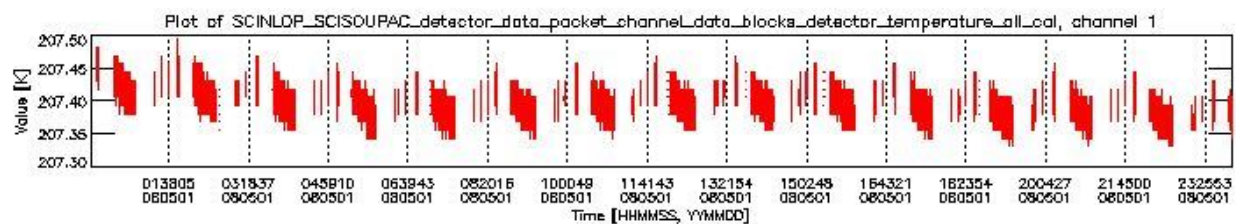
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080501_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080501_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080501_3.PNG

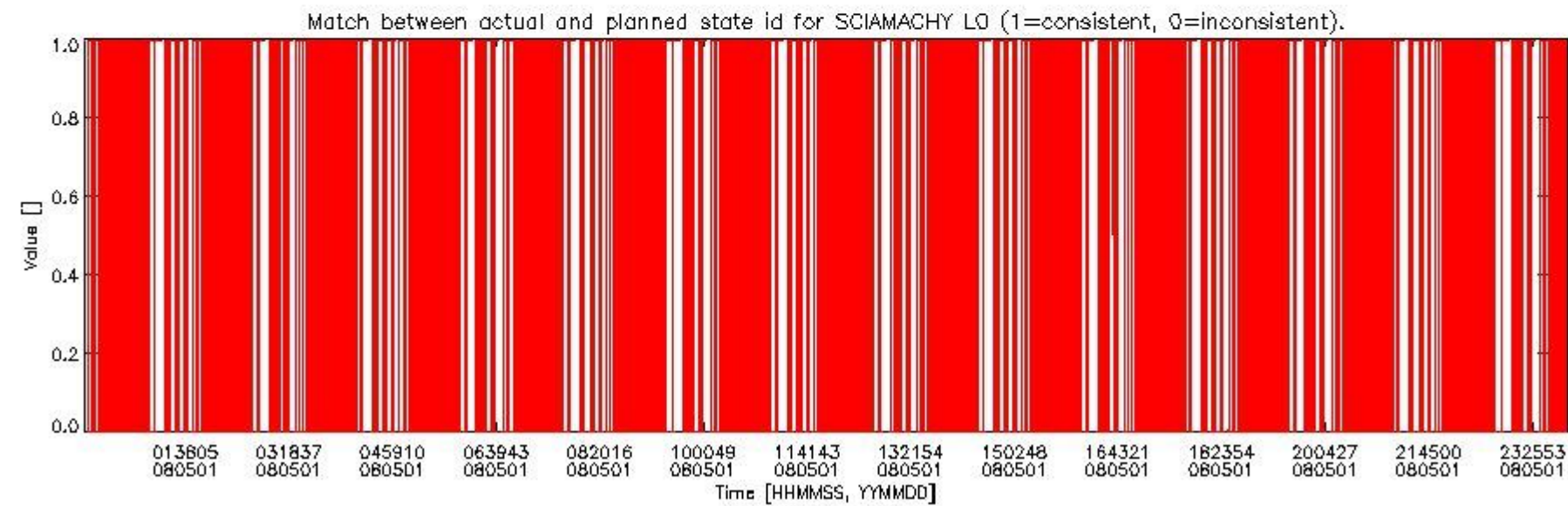
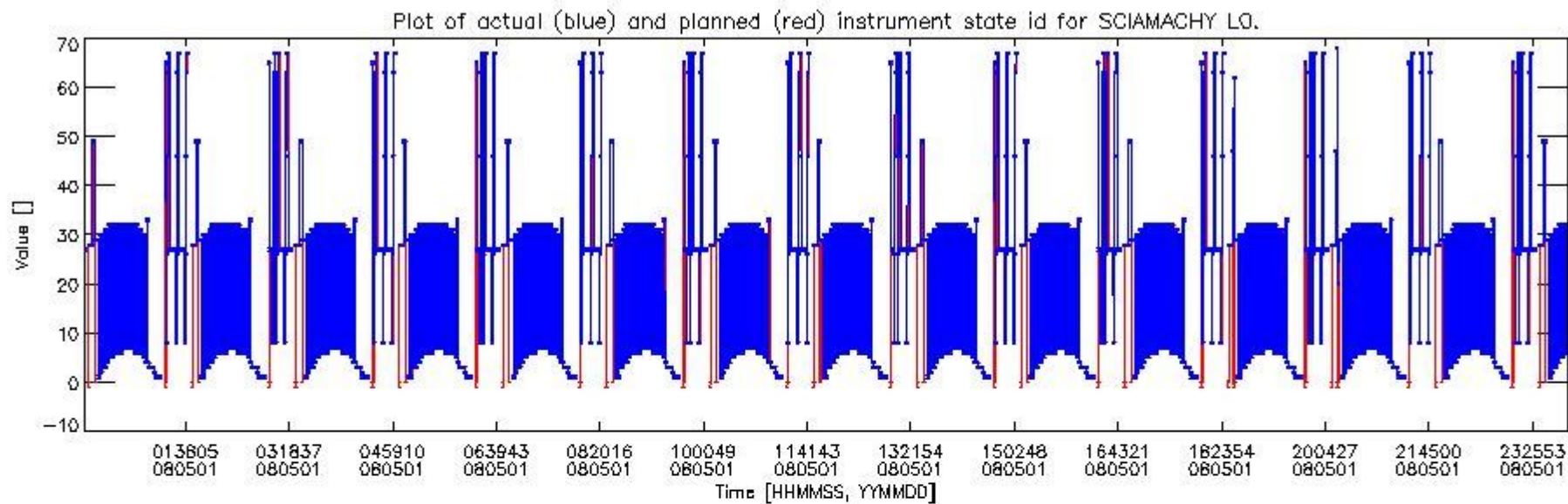


0.3 State monitoring

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: **42307**

#	Actual time	Actual value	Planned time	Planned value
0	01MAY2008 00:03:50.036330	28	01MAY2008 00:03:50.036330	0
1	01MAY2008 00:03:50.661352	28	01MAY2008 00:03:50.661352	0
2	01MAY2008 00:03:51.036325	28	01MAY2008 00:03:51.036325	0
3	01MAY2008 00:03:51.411338	28	01MAY2008 00:03:51.411338	0
4	01MAY2008 00:03:51.973837	28	01MAY2008 00:03:51.973837	0
5	01MAY2008 00:03:52.348850	28	01MAY2008 00:03:52.348850	0
6	01MAY2008 00:03:52.723863	28	01MAY2008 00:03:52.723863	0
7	01MAY2008 00:03:53.098836	28	01MAY2008 00:03:53.098836	0
8	01MAY2008 00:03:53.661336	28	01MAY2008 00:03:53.661336	0
9	01MAY2008 00:03:54.036349	28	01MAY2008 00:03:54.036349	0
10	01MAY2008 00:03:54.411362	28	01MAY2008 00:03:54.411362	0
11	01MAY2008 00:03:54.786335	28	01MAY2008 00:03:54.786335	0
12	01MAY2008 00:03:55.036343	28	01MAY2008 00:03:55.036343	0
13	01MAY2008 00:03:55.348834	28	01MAY2008 00:03:55.348834	0
14	01MAY2008 00:03:55.723847	28	01MAY2008 00:03:55.723847	0
15	01MAY2008 00:03:56.098860	28	01MAY2008 00:03:56.098860	0
16	01MAY2008 00:03:56.473833	28	01MAY2008 00:03:56.473833	0
17	01MAY2008 00:03:57.036332	28	01MAY2008 00:03:57.036332	0
18	01MAY2008 00:03:57.411346	28	01MAY2008 00:03:57.411346	0
19	01MAY2008 00:03:57.786359	28	01MAY2008 00:03:57.786359	0

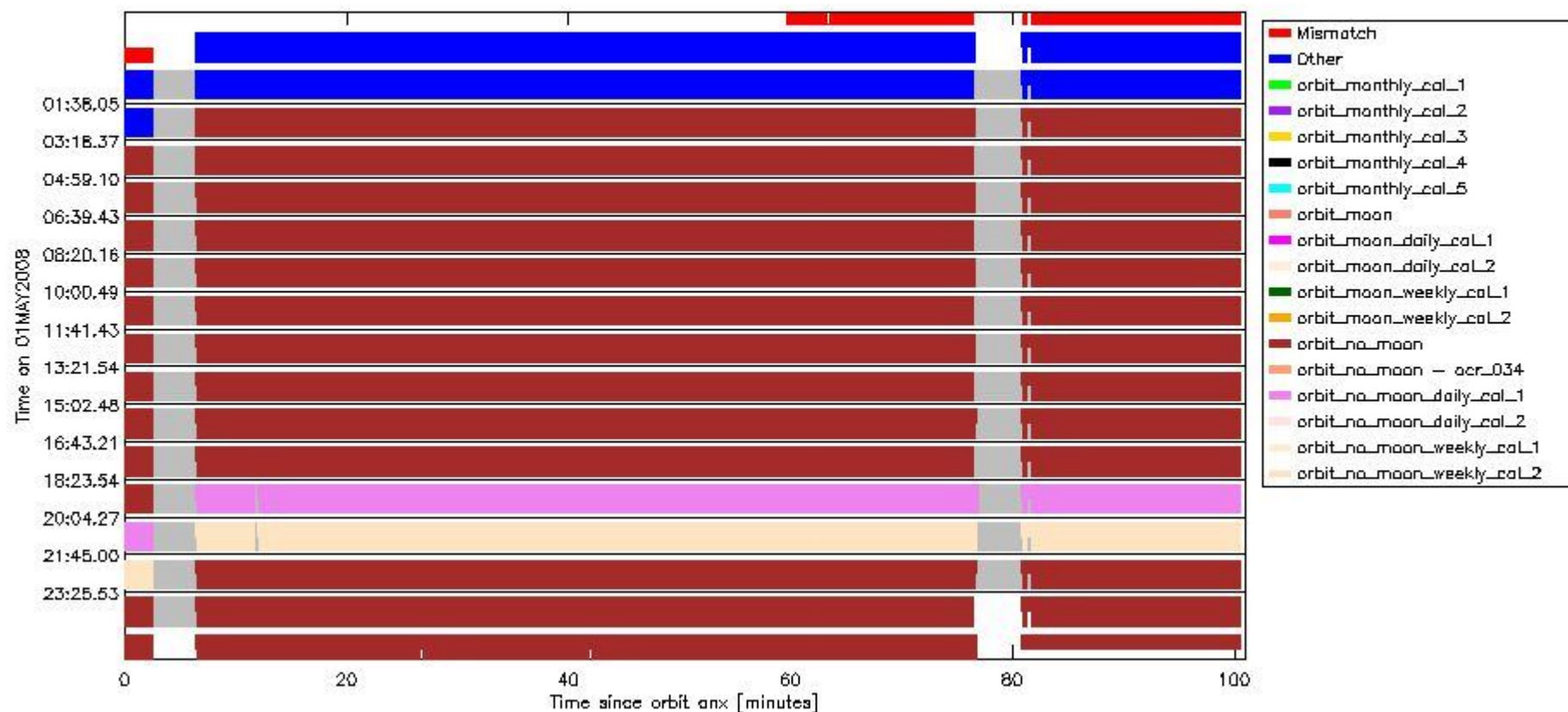


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080501_5.PNG

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 01MAY2008.
 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_20080501_6.PNG

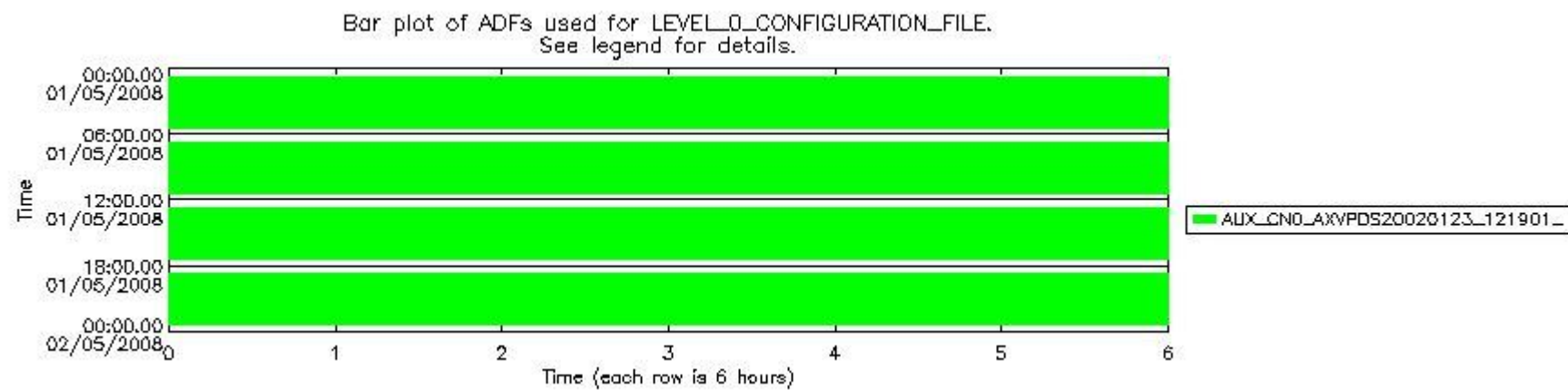
0.4 ADF monitoring

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

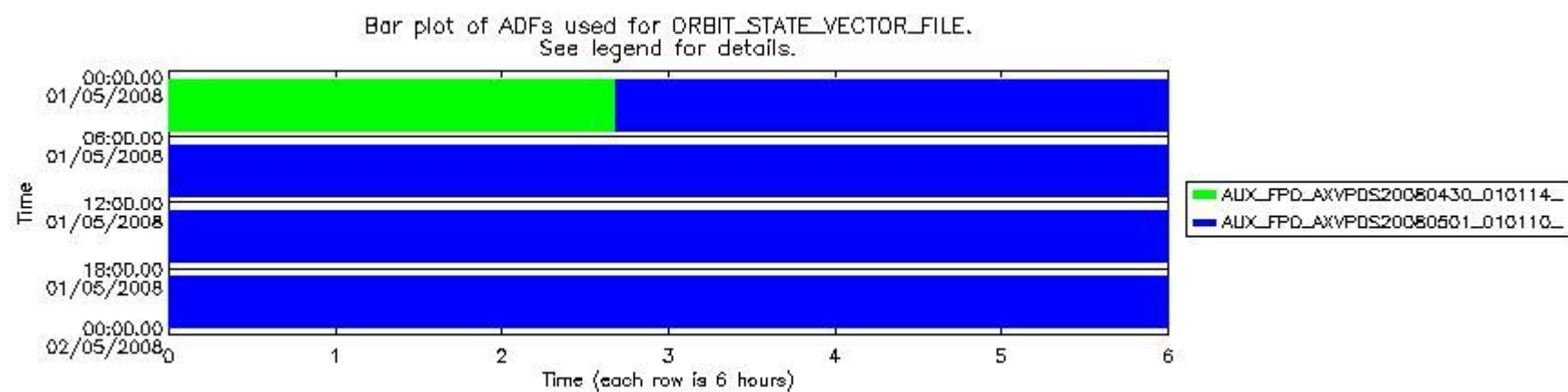
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

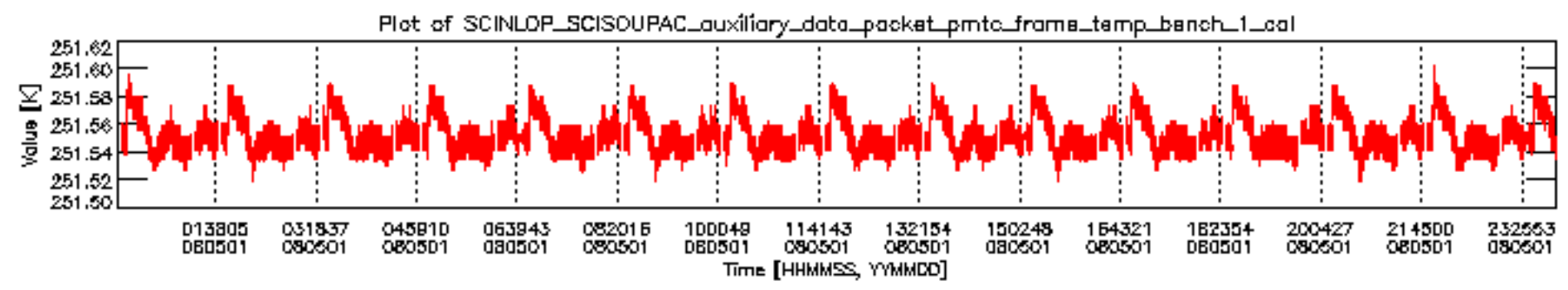
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080430_010114_20080429_192708_20080509_205323
2	AUX_FPO_AXVPDS20080501_010110_20080430_185532_20080510_202146

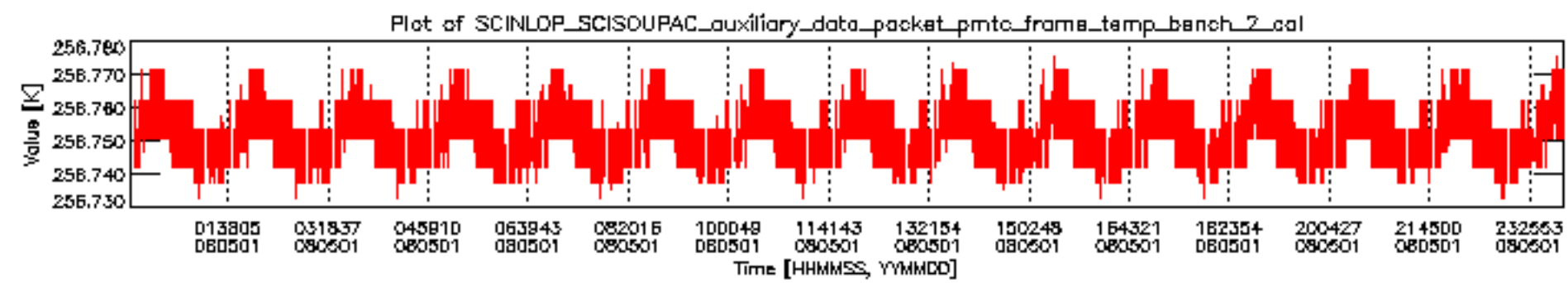


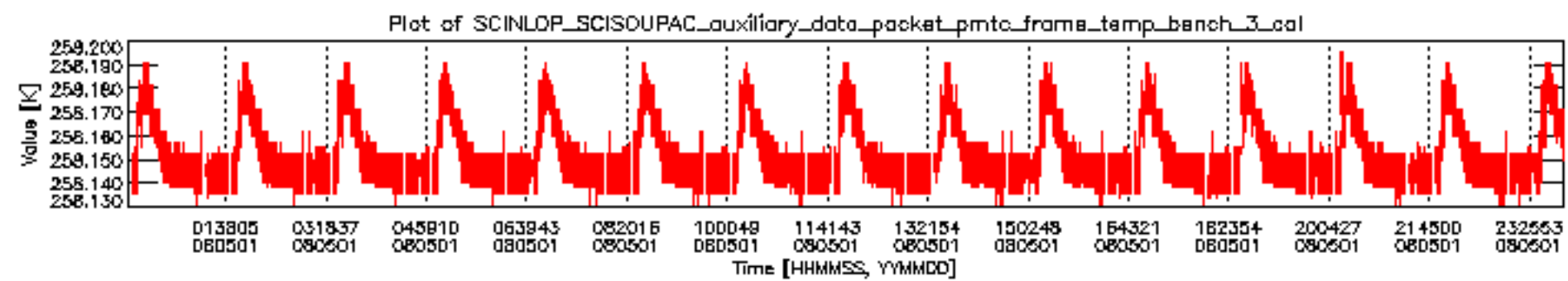
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080501_7.PNG

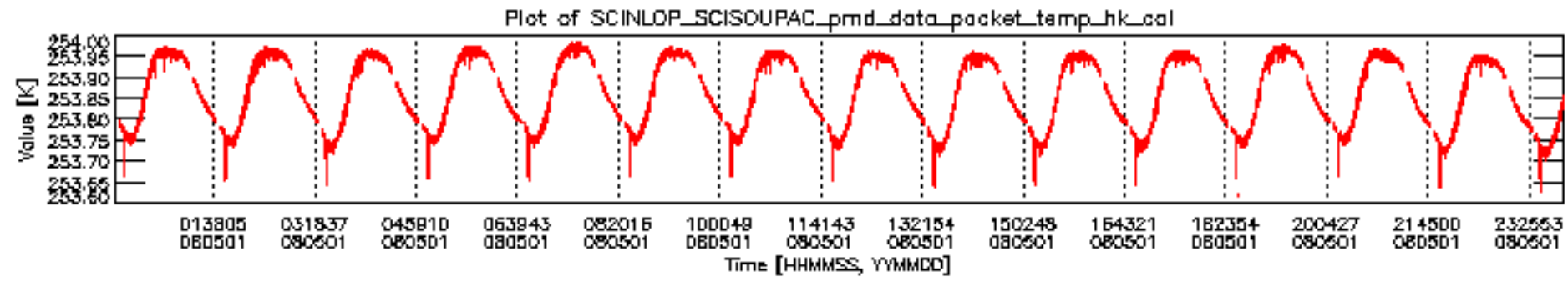


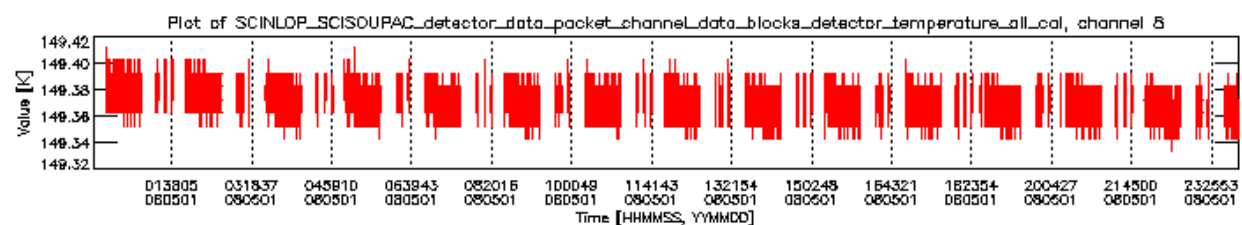
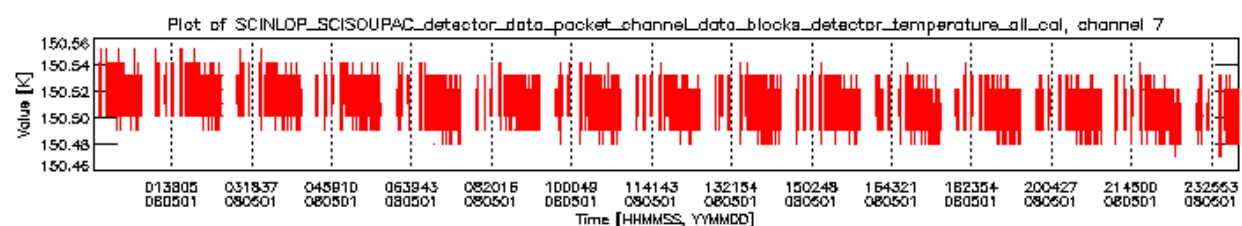
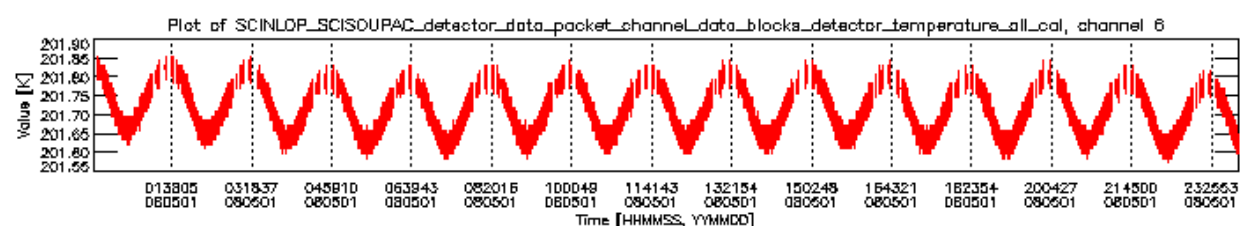
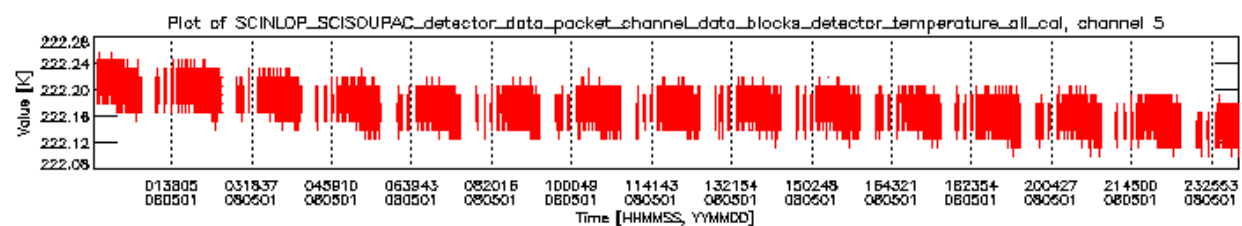
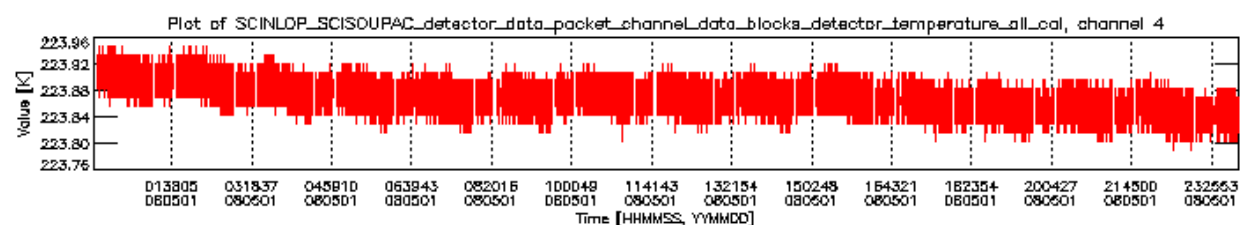
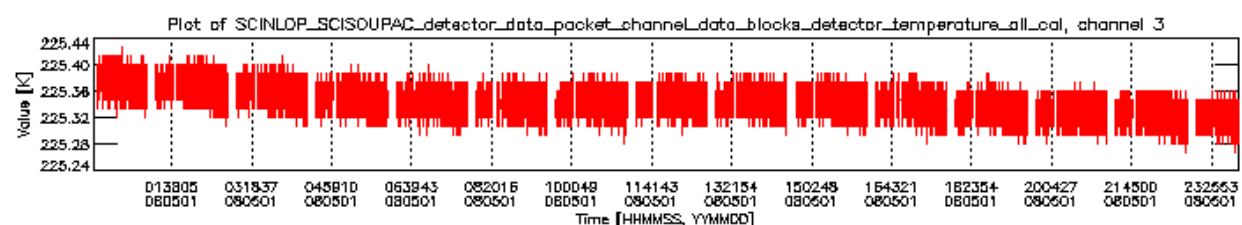
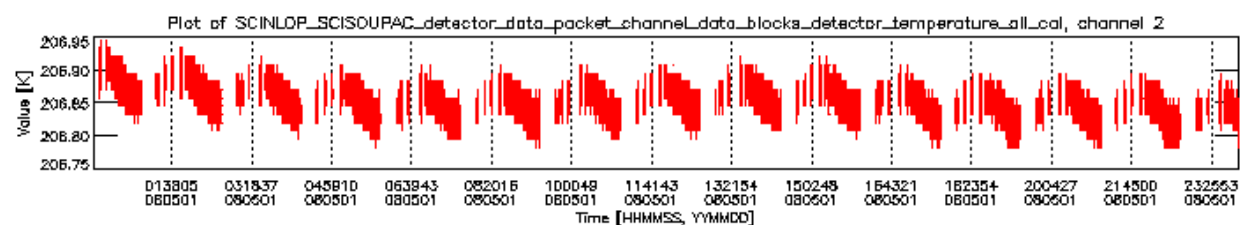
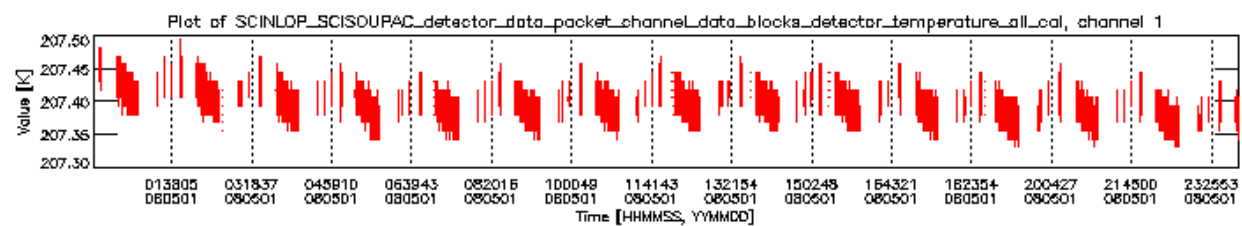
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080501_8.PNG

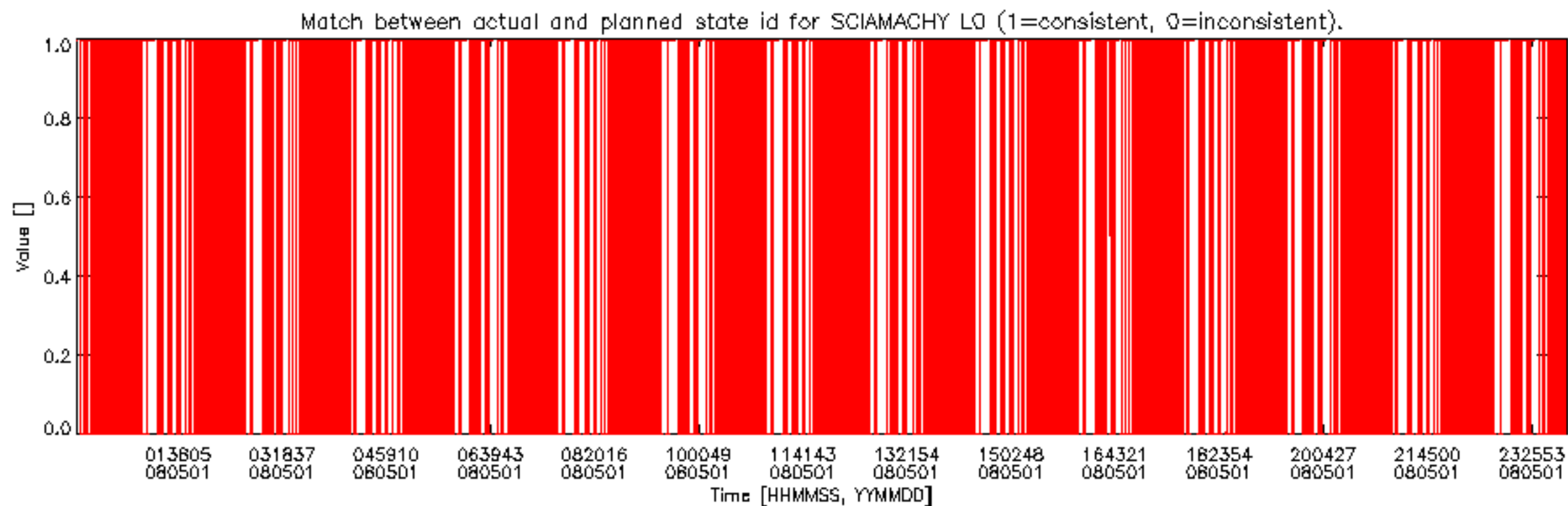
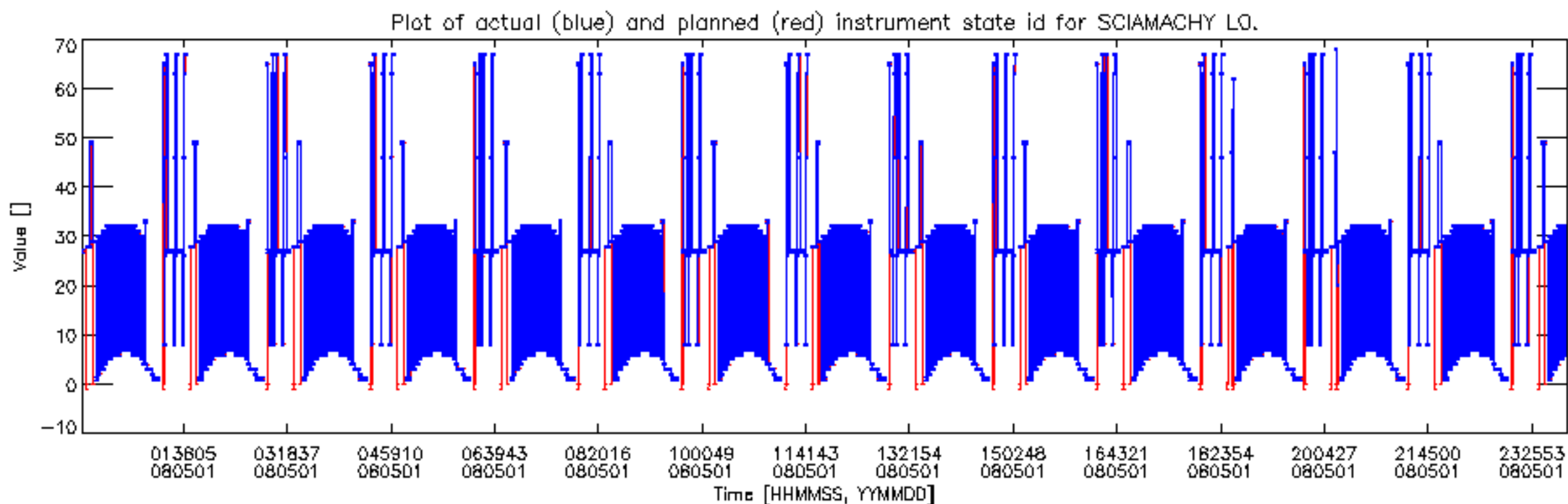












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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