

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	17OCT2008 05:31:32
Data source version	KSPT_L0/4303-N
Processing scope for products	13OCT2008 00:00:00 to 14OCT2008 00:00:00
Start time of first product within scope	12OCT2008 22:18:55
Stop time of last product within scope	14OCT2008 01:09:21
Total number of level 0 products	18
Number of level 0 products with errors	3

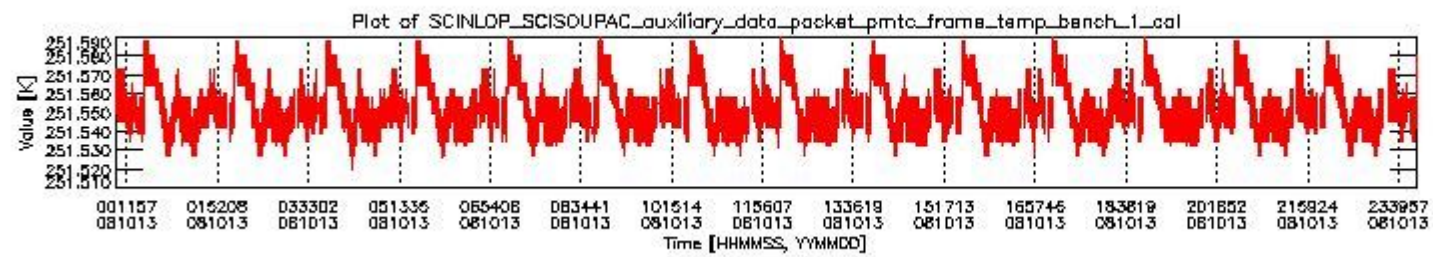
0.1.2 Summary per product

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

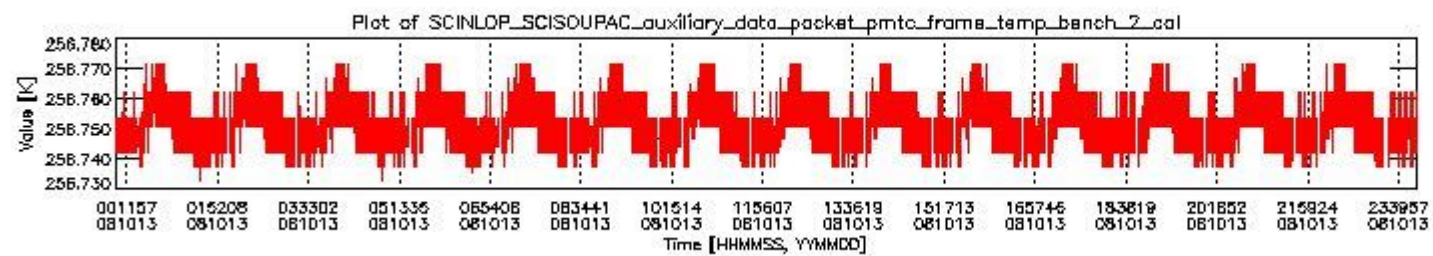
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081012_221855_000061242072_00487_34609_7694.N1	12OCT2008 22:18:55	13OCT2008 00:00:59	0	0	0	0	0
1	SCI_NL__OPNPDE20081013_000015_000057412072_00488_34610_7695.N1	13OCT2008 00:00:15	13OCT2008 01:35:56	0	0	0	0	0
2	SCI_NL__OPNPDE20081013_013556_000048682072_00489_34611_7696.N1	13OCT2008 01:35:56	13OCT2008 02:57:04	0	0	0	0	0
3	SCI_NL__OPNPDE20081013_025704_000057322072_00490_34612_7697.N1	13OCT2008 02:57:04	13OCT2008 04:32:35	0	0	0	0	0
4	SCI_NL__OPNPDE20081013_043235_000061612072_00491_34613_7698.N1	13OCT2008 04:32:35	13OCT2008 06:15:16	0	0	0	0	0
5	SCI_NL__OPNPDK20081013_061408_000039212072_00492_34614_9651.N1	13OCT2008 06:14:08	13OCT2008 07:19:29	0	0	0	0	0
6	SCI_NL__OPNPDK20081013_071833_000062852072_00493_34615_9652.N1	13OCT2008 07:18:33	13OCT2008 09:03:18	0	0	0	0	0
7	SCI_NL__OPNPDK20081013_090210_000059812072_00494_34616_9653.N1	13OCT2008 09:02:10	13OCT2008 10:41:50	1	0	1	0	0
8	SCI_NL__OPNPDK20081013_104042_000059802072_00495_34617_9655.N1	13OCT2008 10:40:42	13OCT2008 12:20:22	1	1	0	0	0
9	SCI_NL__OPNPDK20081013_121818_000061612072_00496_34618_9656.N1	13OCT2008 12:18:18	13OCT2008 14:00:58	0	0	0	0	0
10	SCI_NL__OPNPDK20081013_135950_000059252072_00497_34619_9657.N1	13OCT2008 13:59:50	13OCT2008 15:38:35	1	1	0	0	0
11	SCI_NL__OPNPDK20081013_153739_000060012072_00498_34620_9658.N1	13OCT2008 15:37:39	13OCT2008 17:17:39	0	0	0	0	0
12	SCI_NL__OPNPDK20081013_171659_000058622072_00499_34621_9659.N1	13OCT2008 17:16:59	13OCT2008 18:54:41	0	0	0	0	0
13	SCI_NL__OPNPDK20081013_185345_000061492072_00500_34622_9660.N1	13OCT2008 18:53:45	13OCT2008 20:36:14	0	0	0	0	0
14	SCI_NL__OPNPDE20081013_203422_000040222072_00501_34623_7699.N1	13OCT2008 20:34:22	13OCT2008 21:41:23	0	0	0	0	0
15	SCI_NL__OPNPDK20081013_214725_000016532072_00501_34623_9661.N1	13OCT2008 21:47:25	13OCT2008 22:14:58	0	0	0	0	0
16	SCI_NL__OPNPDE20081013_221402_000040902073_00001_34624_7700.N1	13OCT2008 22:14:02	13OCT2008 23:22:12	0	0	0	0	0
17	SCI_NL__OPNPDE20081013_232801_000060802073_00001_34624_7701.N1	13OCT2008 23:28:01	14OCT2008 01:09:21	0	0	0	0	0

0.2 Product Quality Indicators

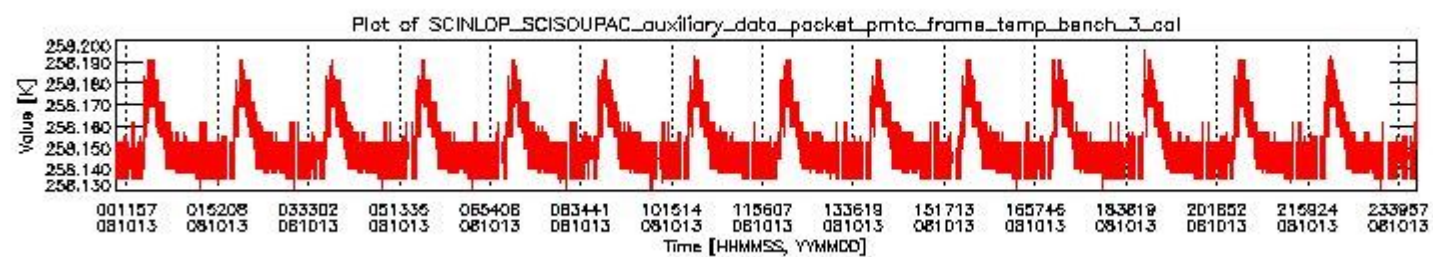
This section shows information about product quality, currently temperatures.



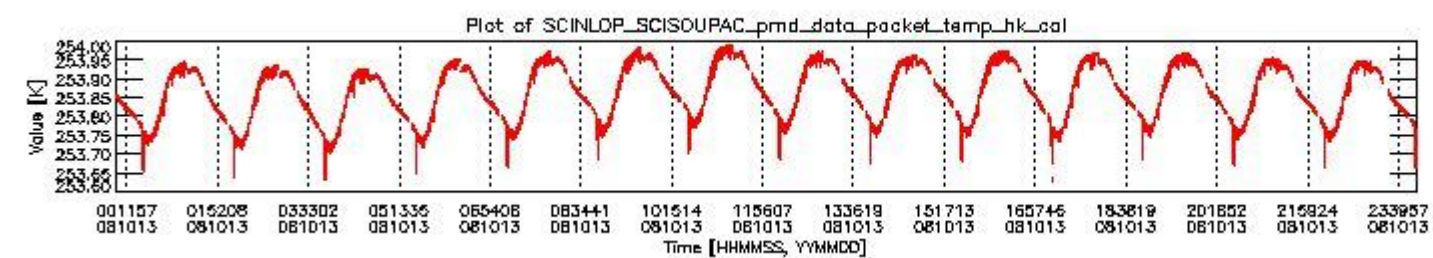
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081013_0.PNG



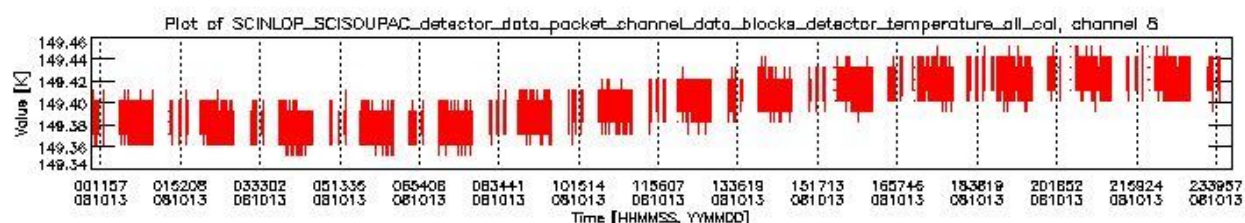
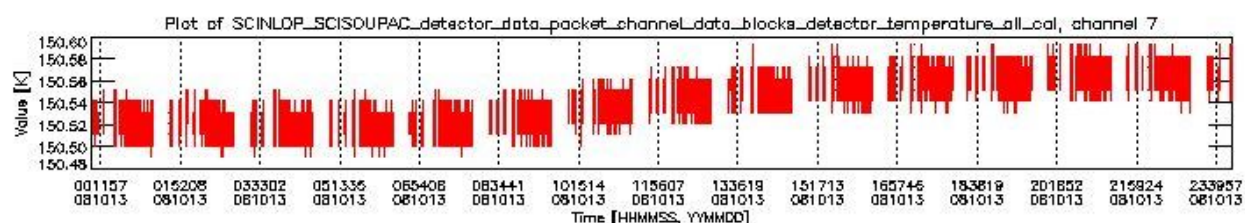
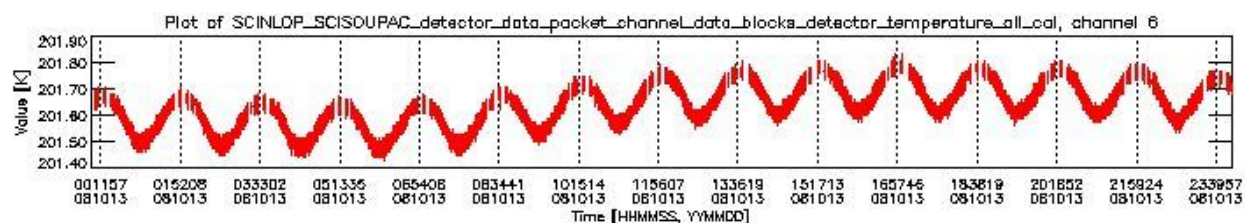
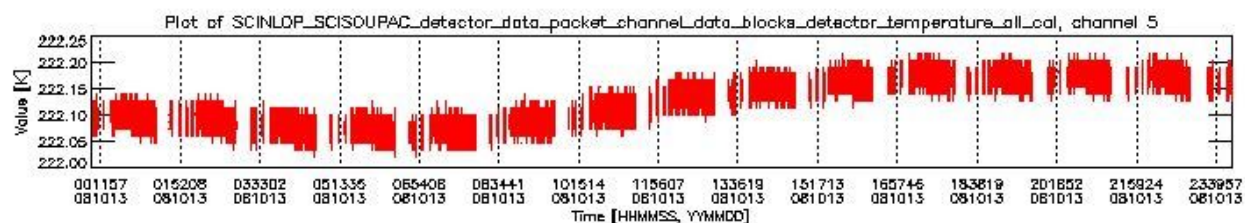
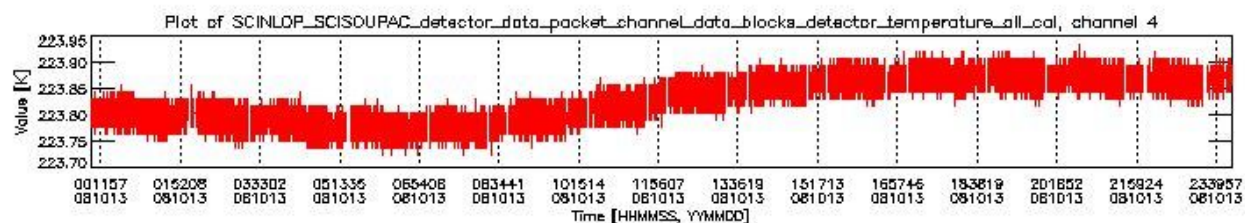
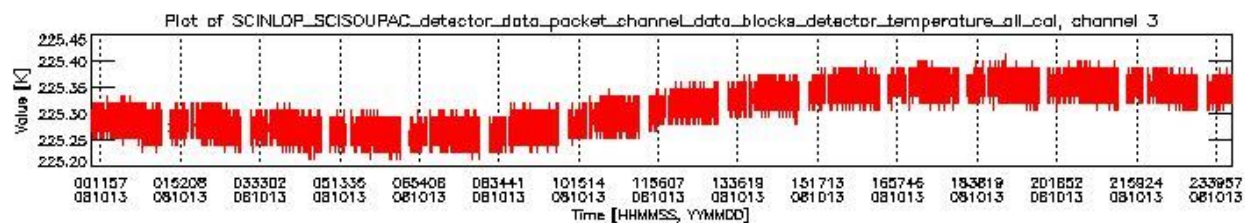
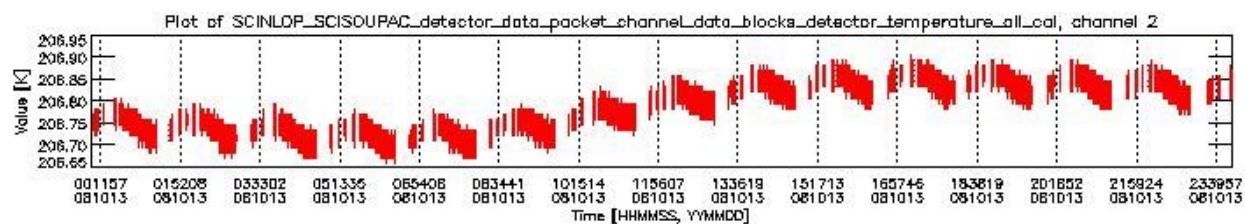
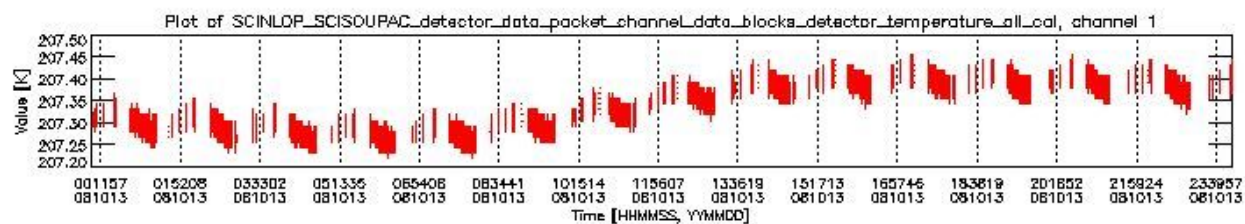
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081013_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081013_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20081013_3.PNG

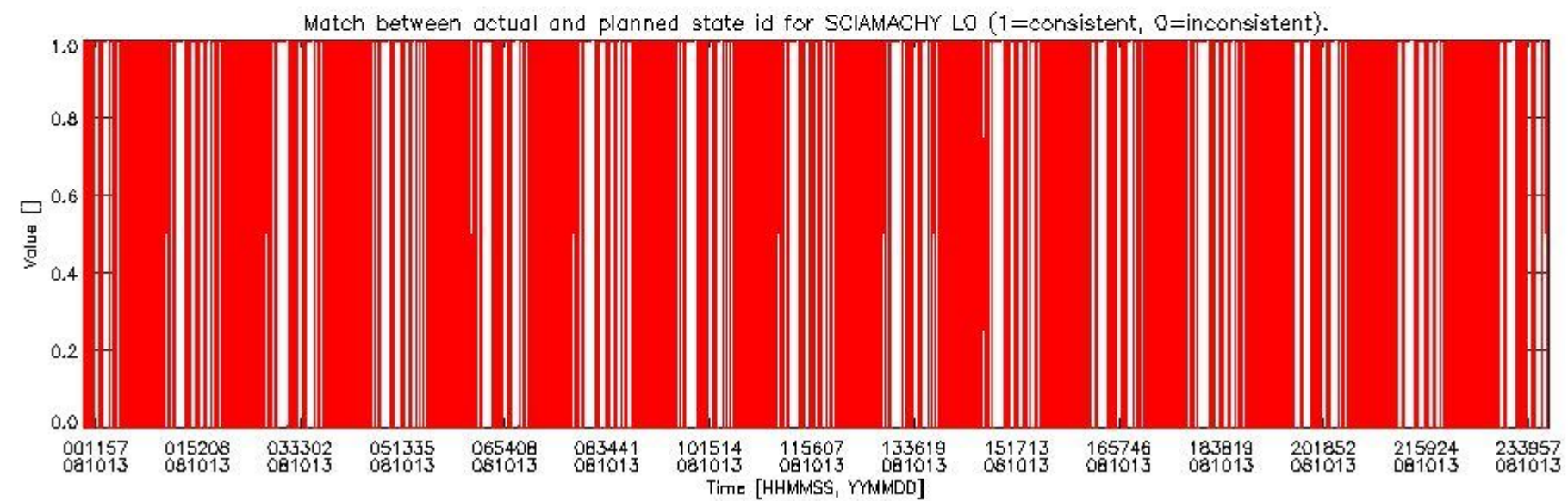
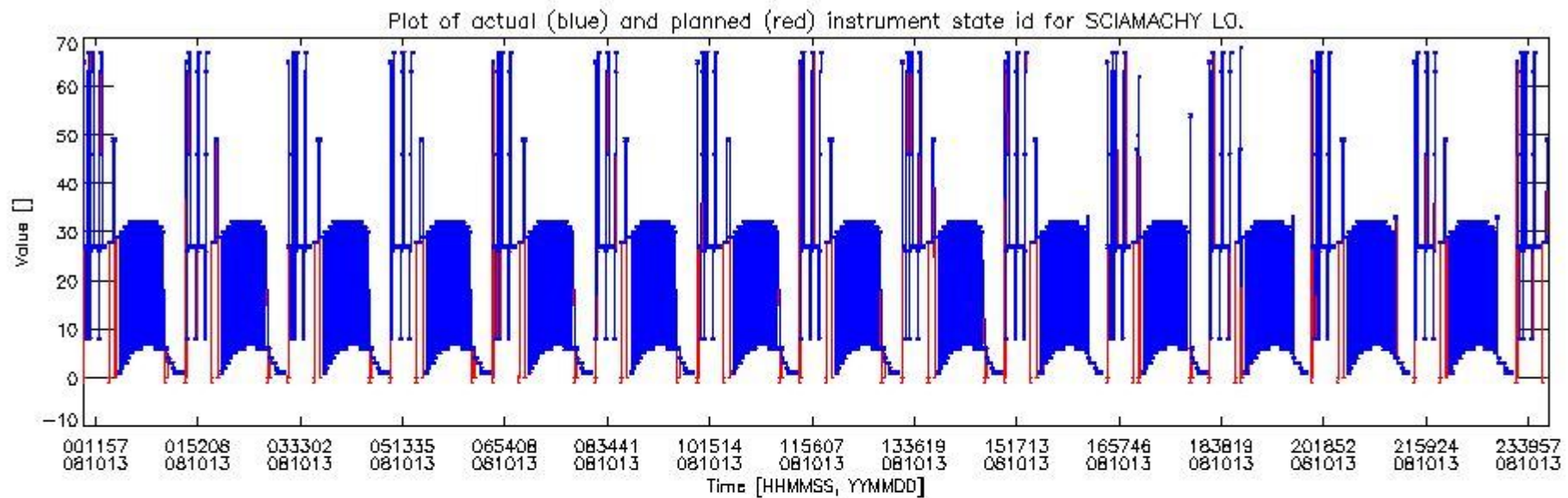


0.3 State monitoring

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: **43406**

#	Actual time	Actual value	Planned time	Planned value
0	13OCT2008 00:00:15.425988	27	13OCT2008 00:00:15.425988	0
1	13OCT2008 00:00:16.425982	27	13OCT2008 00:00:16.425982	0
2	13OCT2008 00:00:17.363454	27	13OCT2008 00:00:17.363454	0
3	13OCT2008 00:00:18.113481	27	13OCT2008 00:00:18.113481	0
4	13OCT2008 00:00:19.050953	27	13OCT2008 00:00:19.050953	0
5	13OCT2008 00:00:19.800979	27	13OCT2008 00:00:19.800979	0
6	13OCT2008 00:00:20.425960	27	13OCT2008 00:00:20.425960	0
7	13OCT2008 00:00:20.738451	27	13OCT2008 00:00:20.738451	0
8	13OCT2008 00:00:21.488477	27	13OCT2008 00:00:21.488477	0
9	13OCT2008 00:00:22.425950	27	13OCT2008 00:00:22.425950	0
10	13OCT2008 00:00:23.175976	27	13OCT2008 00:00:23.175976	0
11	13OCT2008 00:00:24.113488	27	13OCT2008 00:00:24.113488	0
12	13OCT2008 00:00:24.863474	27	13OCT2008 00:00:24.863474	0
13	13OCT2008 00:02:27.605677	8	13OCT2008 00:02:27.605677	27
14	13OCT2008 00:02:28.730676	8	13OCT2008 00:02:28.730676	27
15	13OCT2008 00:02:29.730670	8	13OCT2008 00:02:29.730670	27
16	13OCT2008 00:02:30.730665	8	13OCT2008 00:02:30.730665	27
17	13OCT2008 00:02:31.730660	8	13OCT2008 00:02:31.730660	27
18	13OCT2008 00:02:32.605690	8	13OCT2008 00:02:32.605690	27
19	13OCT2008 00:02:32.730654	8	13OCT2008 00:02:32.730654	27
...

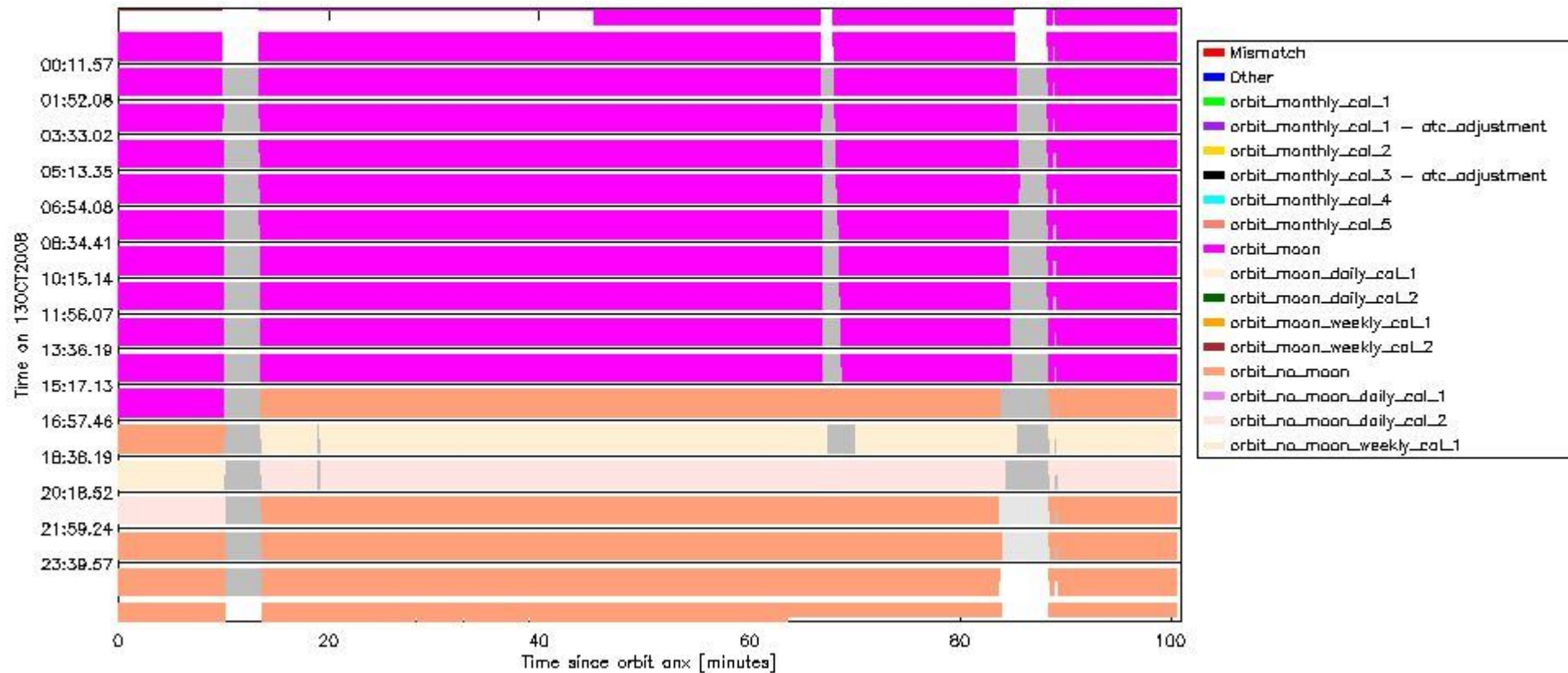


sciamachy_daily_report_level0_KSPT_L0_4303_N_20081013_5.PNG

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 13OCT2008.
 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_20081013_6.PNG

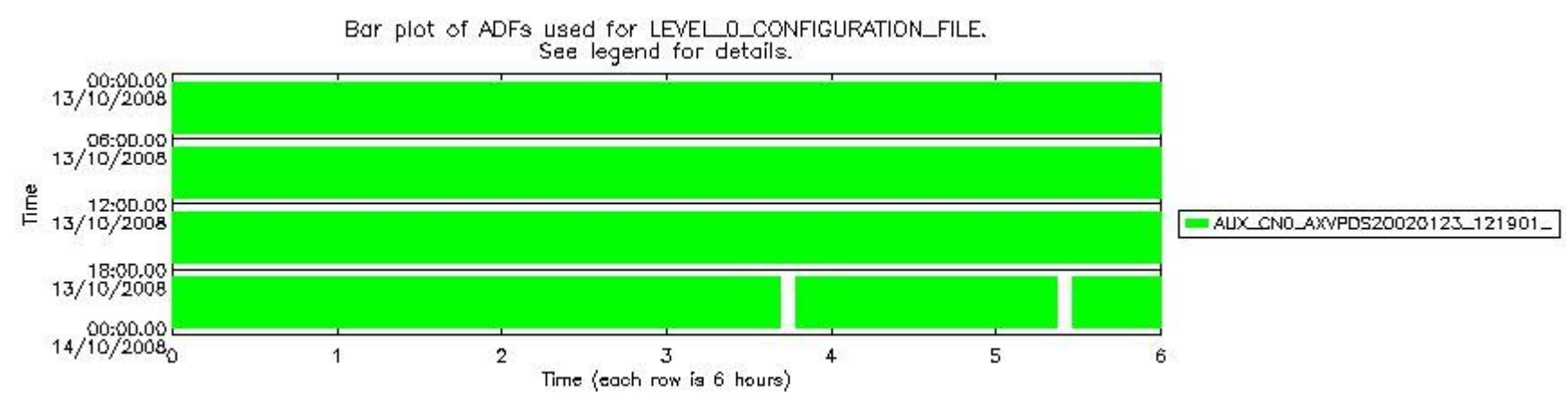
0.4 ADF monitoring

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

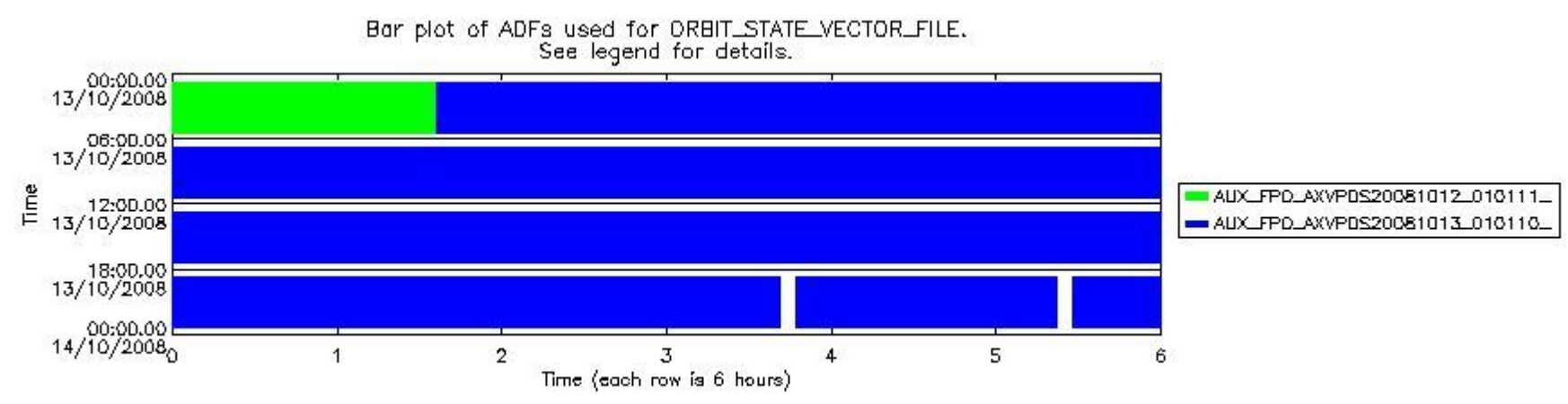
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

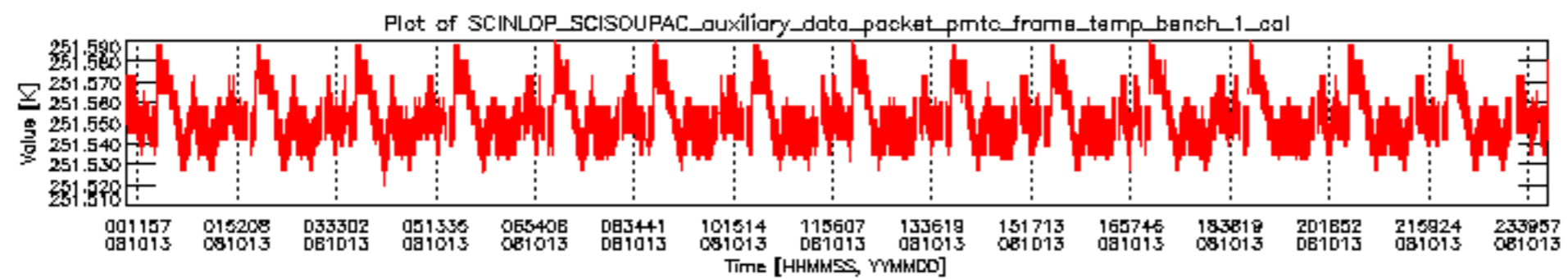
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20081012_010111_20081011_194132_20081021_210745
2	AUX_FPO_AXVPDS20081013_010110_20081012_190955_20081022_203608

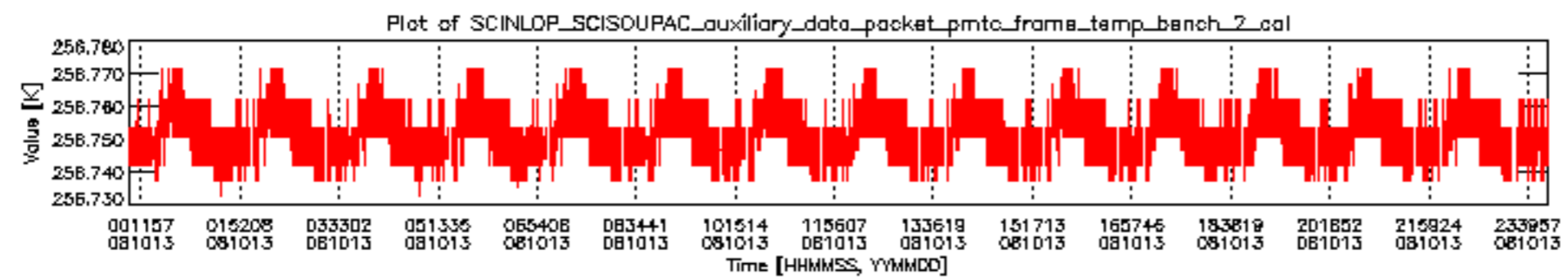


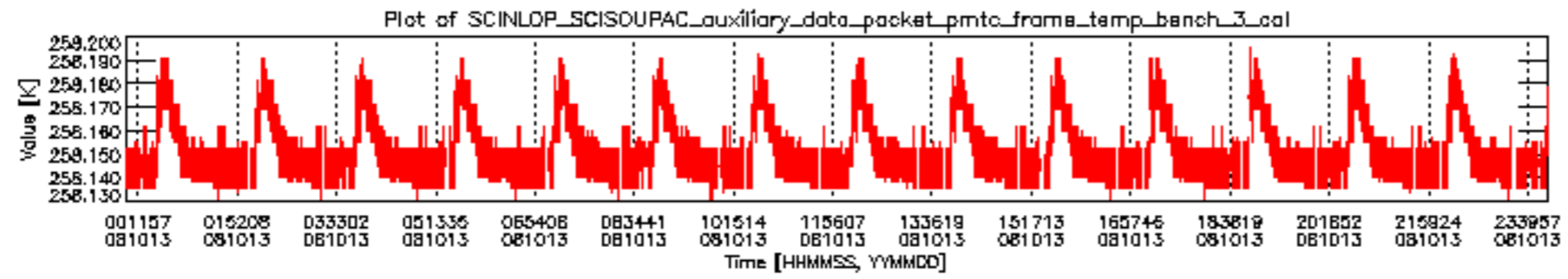
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081013_7.PNG

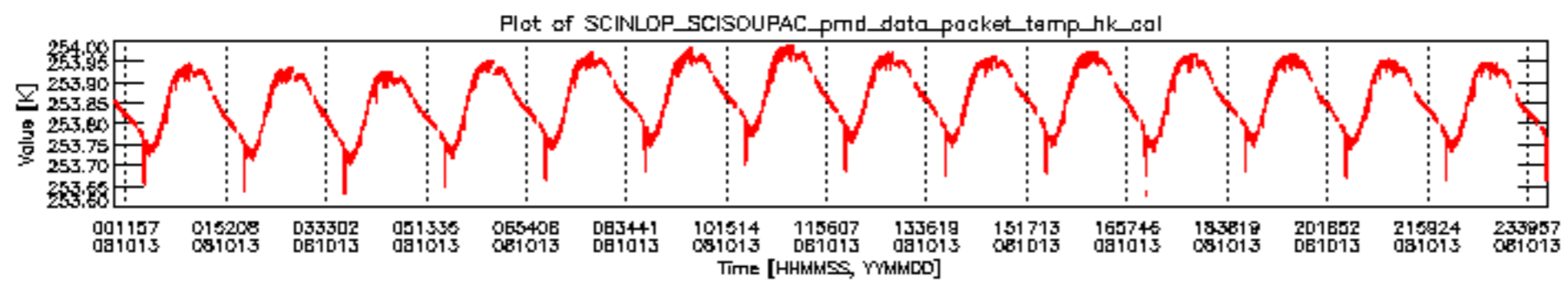


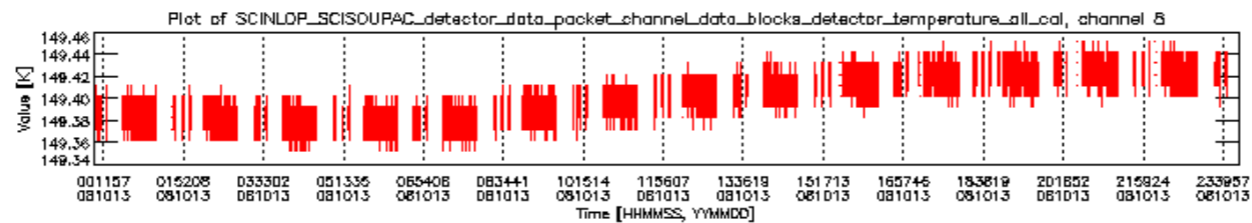
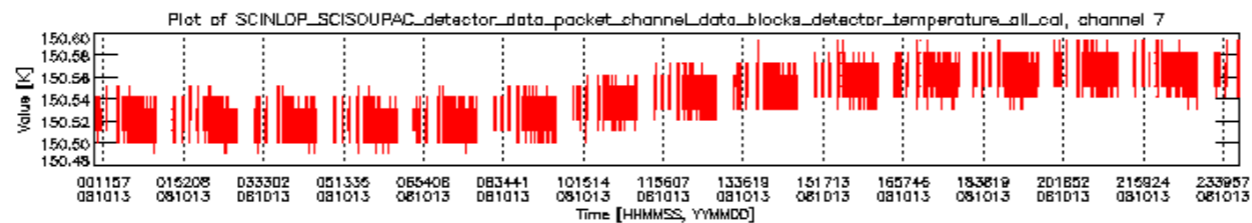
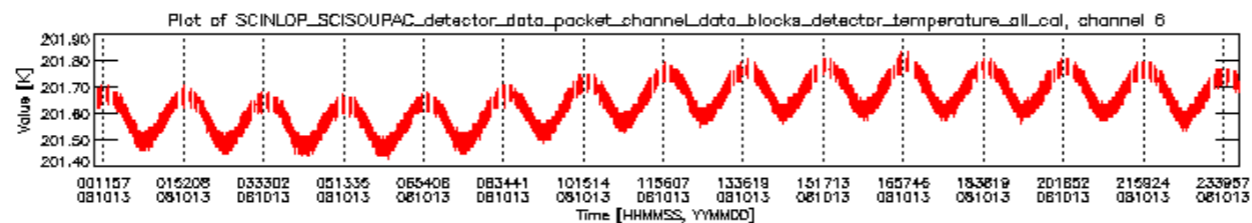
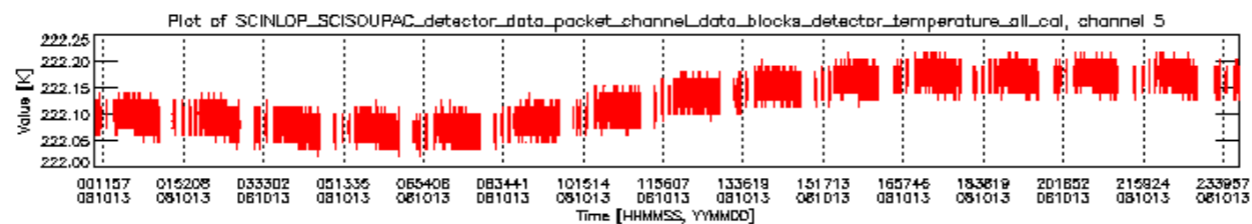
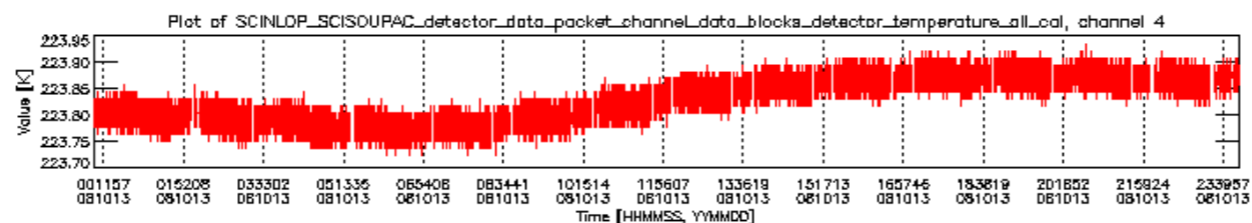
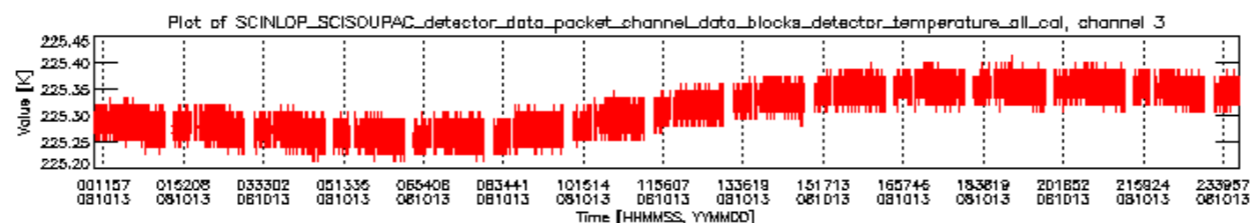
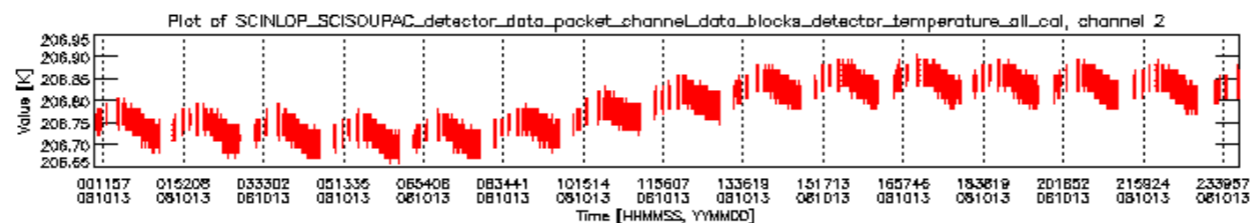
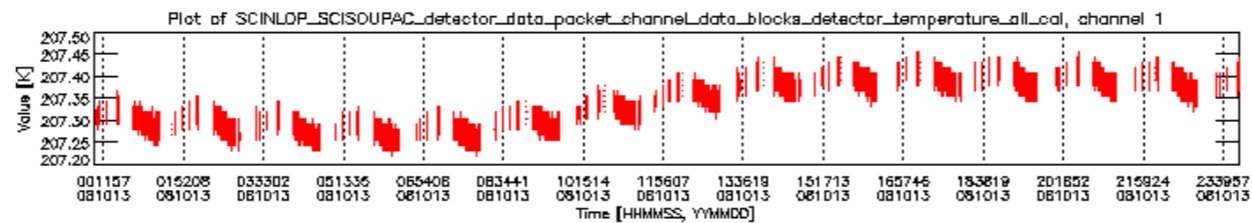
sciamachy_daily_report_level0_KSPT_L0_4303_N_20081013_8.PNG

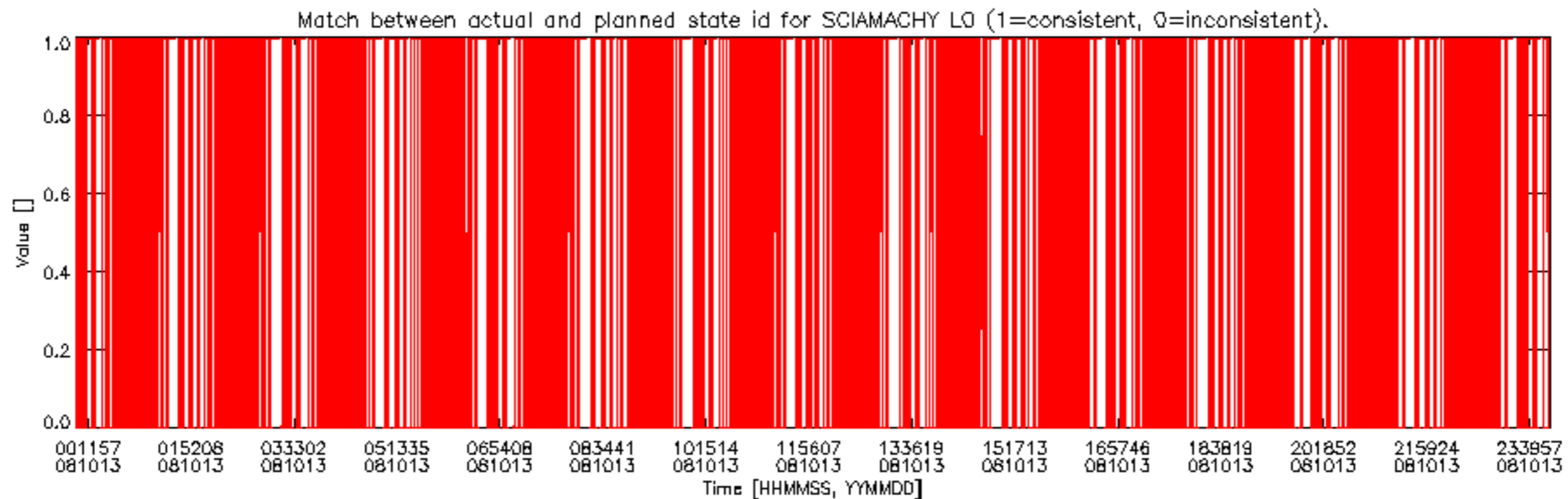
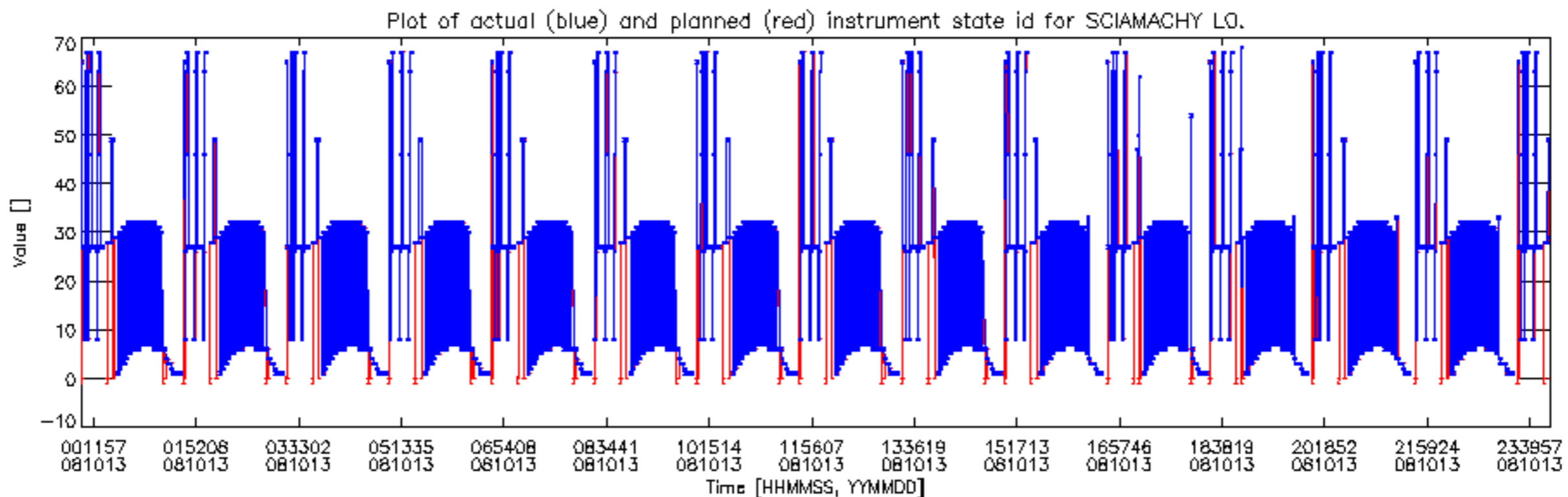












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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