

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	25MAY2008 05:00:41
Data source version	KSPT_L0/4303-N
Processing scope for products	21MAY2008 00:00:00 to 22MAY2008 00:00:00
Start time of first product within scope	20MAY2008 23:17:16
Stop time of last product within scope	22MAY2008 00:27:07
Total number of level 0 products	16
Number of level 0 products with errors	0

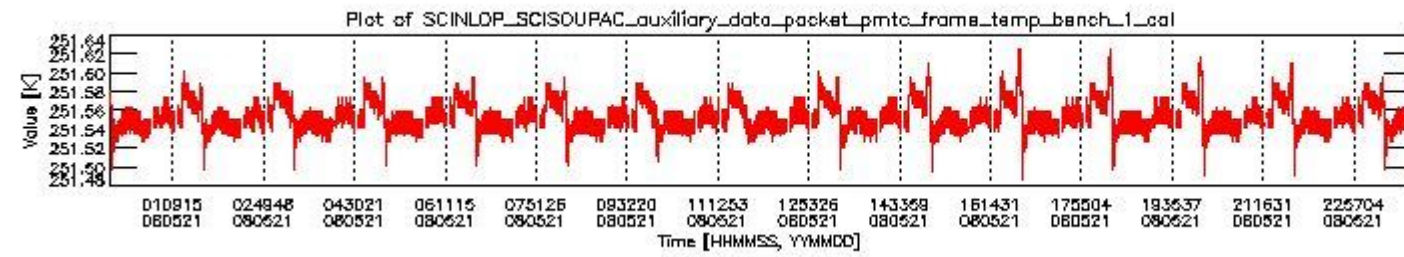
0.1.2 Summary per product

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

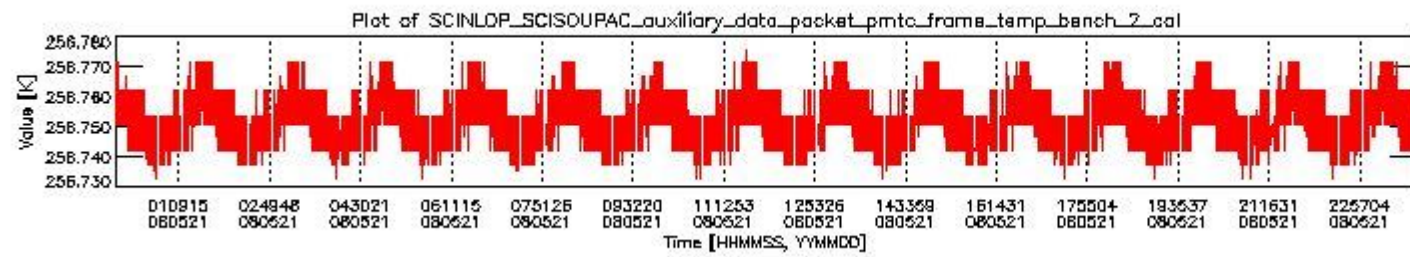
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080520_231716_000060482068_00416_32534_6729.N1	20MAY2008 23:17:16	21MAY2008 00:58:04	0	0	0	0	0
1	SCI_NL__OPNPDE20080521_005720_000046192068_00417_32535_6730.N1	21MAY2008 00:57:20	21MAY2008 02:14:19	0	0	0	0	0
2	SCI_NL__OPNPDE20080521_021311_000058302068_00418_32536_6731.N1	21MAY2008 02:13:11	21MAY2008 03:50:21	0	0	0	0	0
3	SCI_NL__OPNPDE20080521_035021_000060482068_00419_32537_6732.N1	21MAY2008 03:50:21	21MAY2008 05:31:09	0	0	0	0	0
4	SCI_NL__OPNPDE20080521_053109_000060232068_00420_32538_6733.N1	21MAY2008 05:31:09	21MAY2008 07:11:32	0	0	0	0	0
5	SCI_NL__OPNPDK20080521_071132_000040582068_00421_32539_8271.N1	21MAY2008 07:11:32	21MAY2008 08:19:10	0	0	0	0	0
6	SCI_NL__OPNPDK20080521_081910_000061472068_00422_32540_8272.N1	21MAY2008 08:19:10	21MAY2008 10:01:37	0	0	0	0	0
7	SCI_NL__OPNPDK20080521_100041_000059802068_00423_32541_8273.N1	21MAY2008 10:00:41	21MAY2008 11:40:21	0	0	0	0	0
8	SCI_NL__OPNPDK20080521_113912_000060362068_00424_32542_8274.N1	21MAY2008 11:39:12	21MAY2008 13:19:48	0	0	0	0	0
9	SCI_NL__OPNPDK20080521_131948_000059112068_00425_32543_8275.N1	21MAY2008 13:19:48	21MAY2008 14:58:19	0	0	0	0	0
10	SCI_NL__OPNPDK20080521_145723_000058432068_00426_32544_8276.N1	21MAY2008 14:57:23	21MAY2008 16:34:46	0	0	0	0	0
11	SCI_NL__OPNPDK20080521_163338_000059952068_00427_32545_8277.N1	21MAY2008 16:33:38	21MAY2008 18:13:33	0	0	0	0	0
12	SCI_NL__OPNPDK20080521_181128_000059672068_00428_32546_8278.N1	21MAY2008 18:11:28	21MAY2008 19:50:56	0	0	0	0	0
13	SCI_NL__OPNPDE20080521_194904_000041332068_00429_32547_6734.N1	21MAY2008 19:49:04	21MAY2008 20:57:56	0	0	0	0	0
14	SCI_NL__OPNPDE20080521_205723_000065372068_00429_32547_6735.N1	21MAY2008 20:57:23	21MAY2008 22:46:20	0	0	0	0	0
15	SCI_NL__OPNPDE20080521_224536_000060922068_00430_32548_6736.N1	21MAY2008 22:45:36	22MAY2008 00:27:07	0	0	0	0	0

0.2 Product Quality Indicators

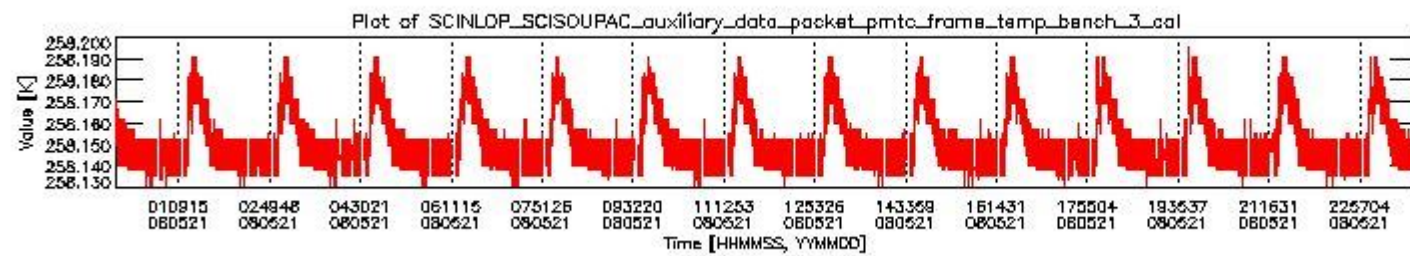
This section shows information about product quality, currently temperatures.



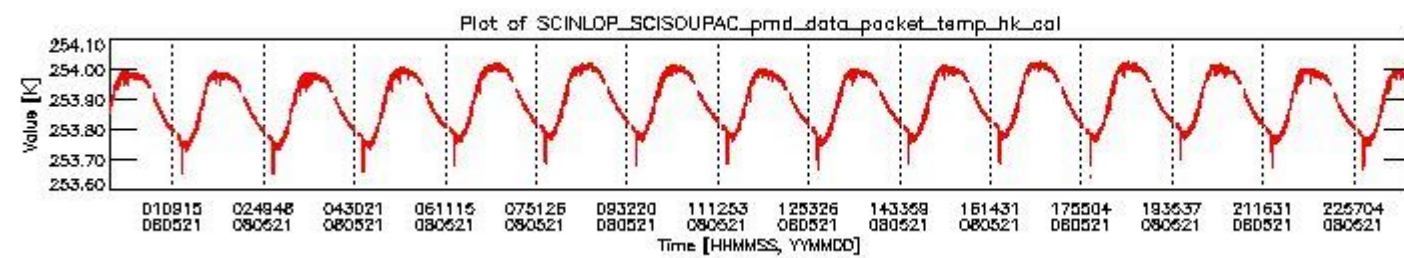
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080521_0.PNG



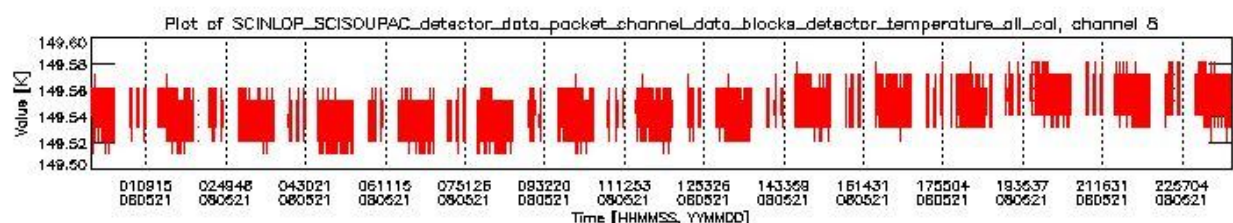
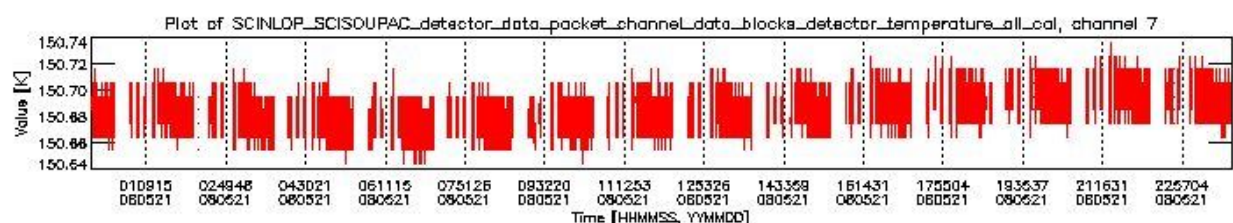
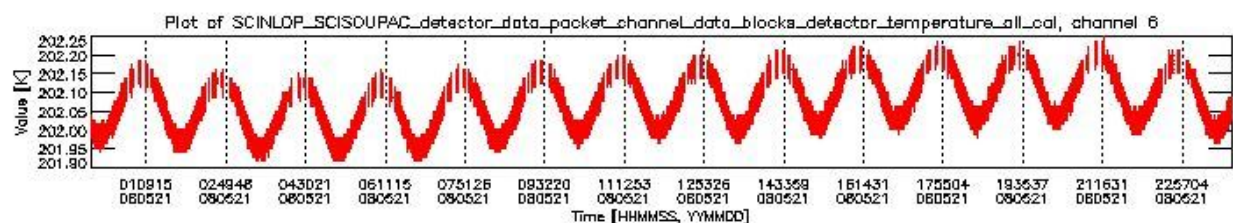
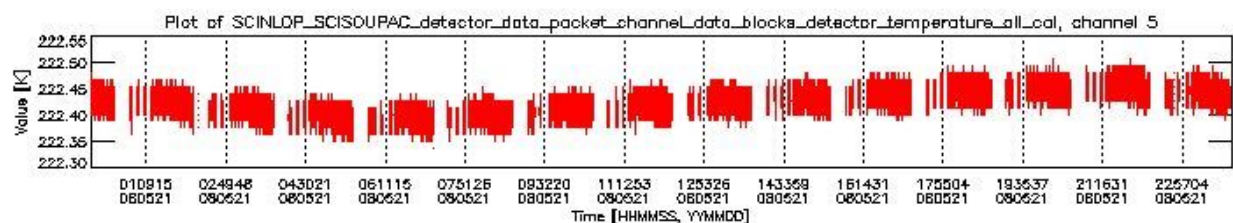
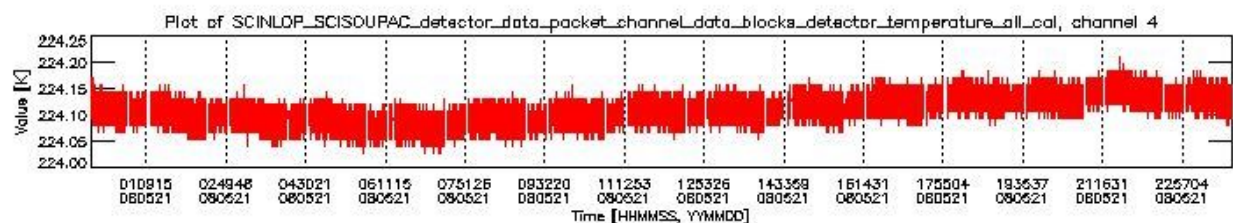
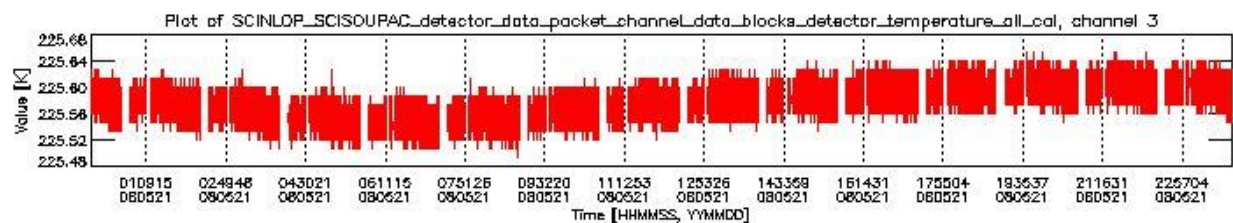
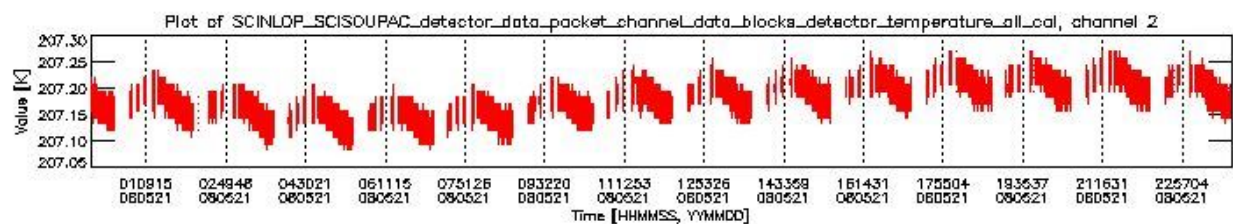
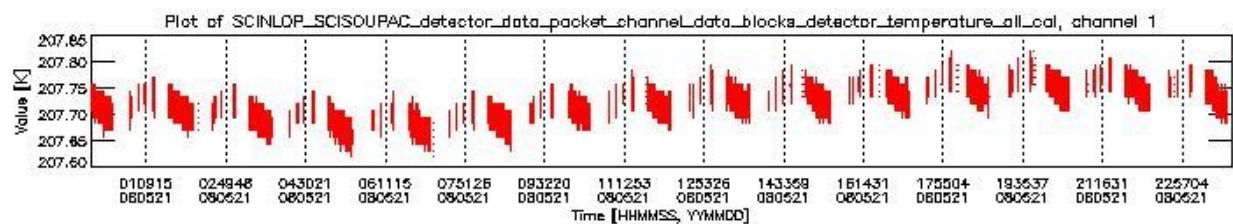
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080521_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080521_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080521_3.PNG

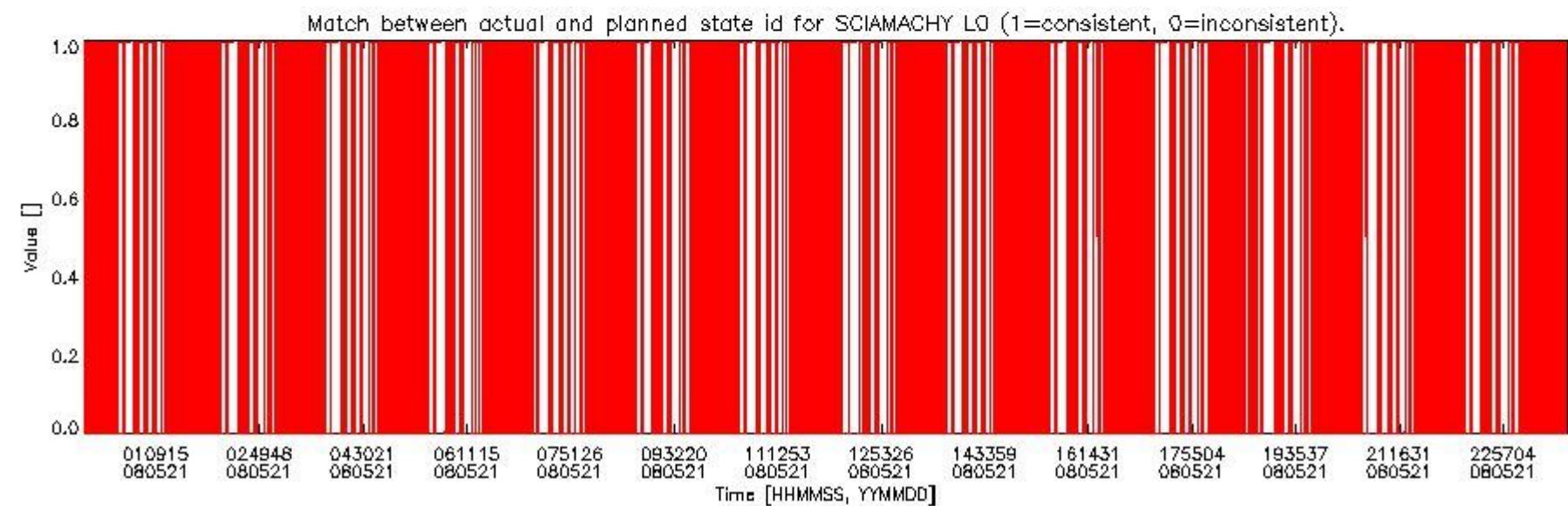
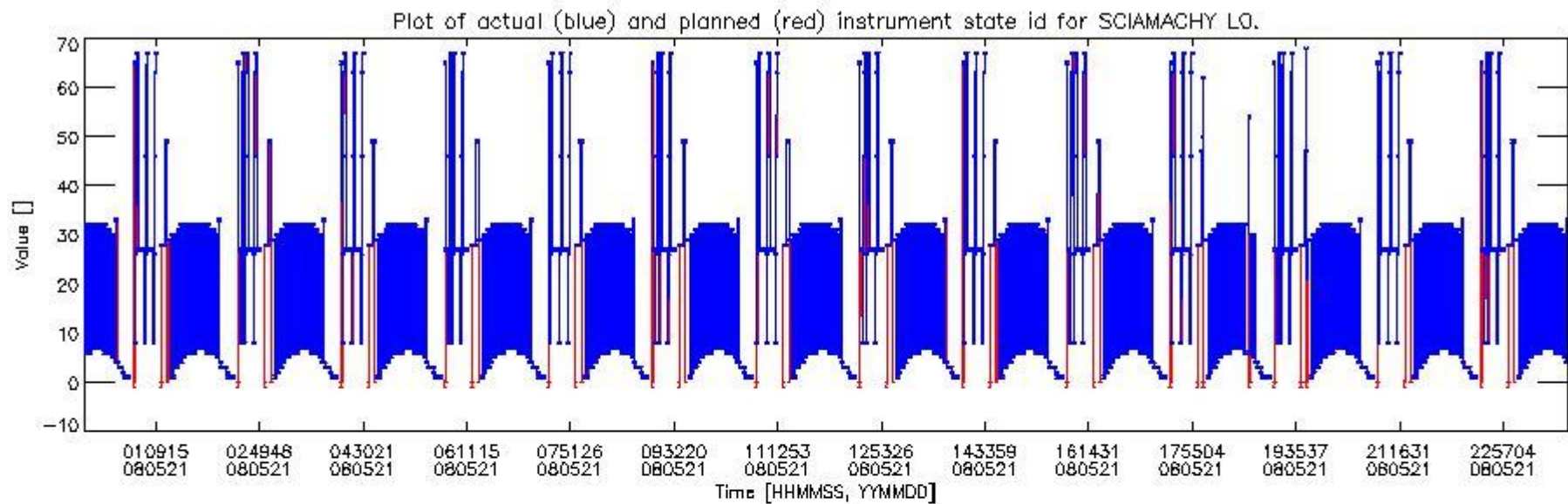


0.3 State monitoring

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: **35932**

#	Actual time	Actual value	Planned time	Planned value
0	21MAY2008 00:00:07.826793	6	21MAY2008 00:00:07.826793	32
1	21MAY2008 00:00:08.201806	6	21MAY2008 00:00:08.201806	32
2	21MAY2008 00:00:08.451815	6	21MAY2008 00:00:08.451815	32
3	21MAY2008 00:00:08.701783	6	21MAY2008 00:00:08.701783	32
4	21MAY2008 00:00:08.951792	6	21MAY2008 00:00:08.951792	32
5	21MAY2008 00:00:09.201801	6	21MAY2008 00:00:09.201801	32
6	21MAY2008 00:00:09.451810	6	21MAY2008 00:00:09.451810	32
7	21MAY2008 00:00:09.701818	6	21MAY2008 00:00:09.701818	32
8	21MAY2008 00:00:09.951787	6	21MAY2008 00:00:09.951787	32
9	21MAY2008 00:00:10.201795	6	21MAY2008 00:00:10.201795	32
10	21MAY2008 00:00:10.451804	6	21MAY2008 00:00:10.451804	32
11	21MAY2008 00:00:10.701813	6	21MAY2008 00:00:10.701813	32
12	21MAY2008 00:00:10.951781	6	21MAY2008 00:00:10.951781	32
13	21MAY2008 00:00:11.201790	6	21MAY2008 00:00:11.201790	32
14	21MAY2008 00:00:11.451799	6	21MAY2008 00:00:11.451799	32
15	21MAY2008 00:00:11.701807	6	21MAY2008 00:00:11.701807	32
16	21MAY2008 00:00:11.951816	6	21MAY2008 00:00:11.951816	32
17	21MAY2008 00:00:12.201785	6	21MAY2008 00:00:12.201785	32
18	21MAY2008 00:00:12.451793	6	21MAY2008 00:00:12.451793	32
19	21MAY2008 00:00:12.701802	6	21MAY2008 00:00:12.701802	32

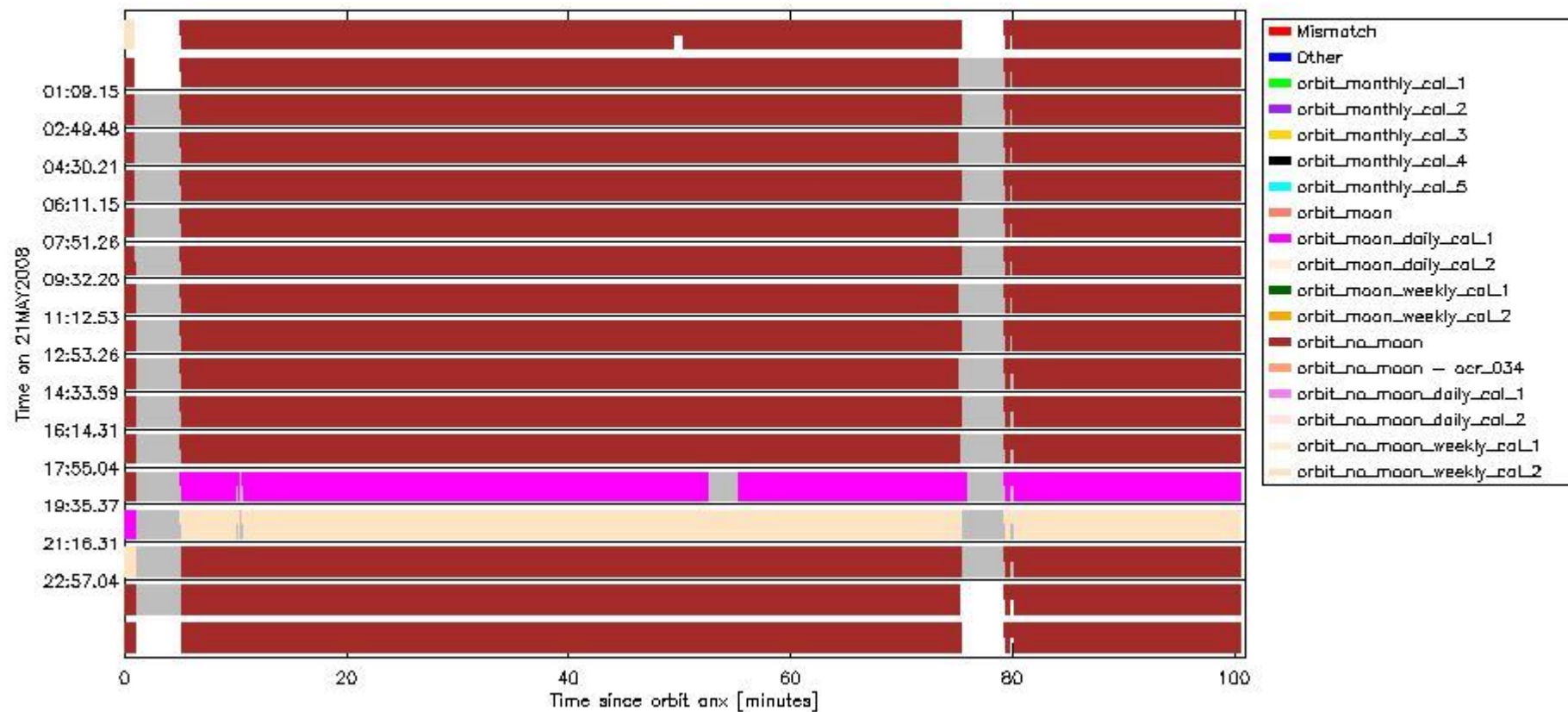


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080521_5.PNG

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 21MAY2008.
 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_20080521_6.PNG

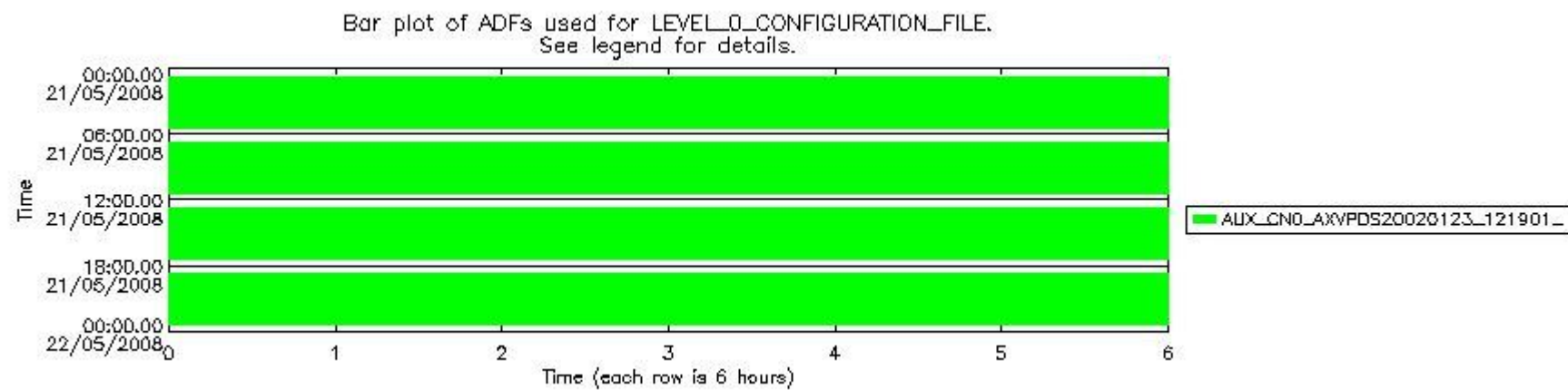
0.4 ADF monitoring

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

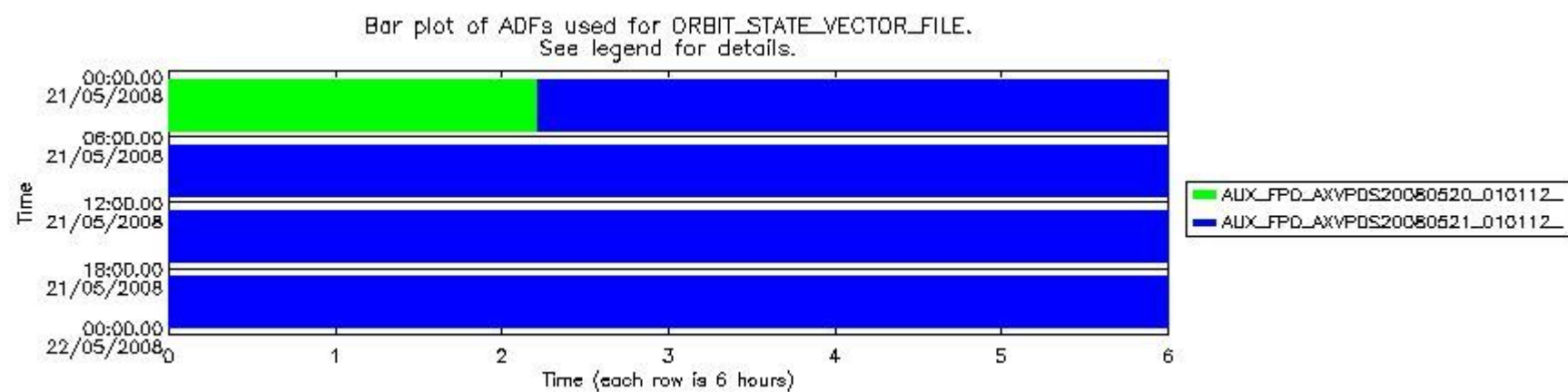
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

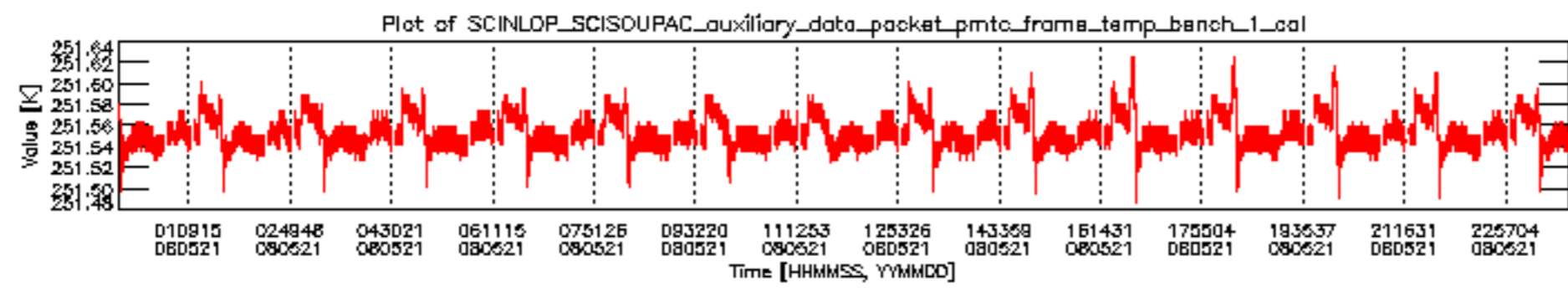
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080520_010112_20080519_185825_20080529_202439
2	AUX_FPO_AXVPDS20080521_010112_20080520_182648_20080530_213338

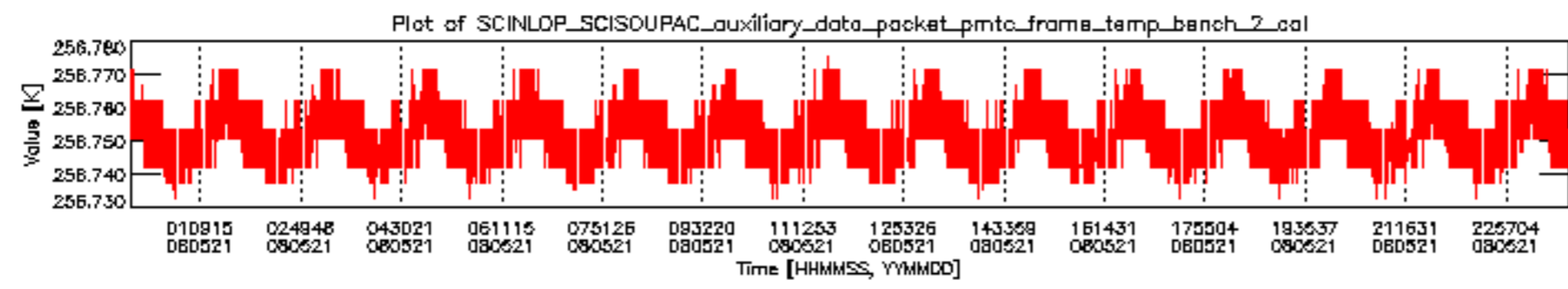


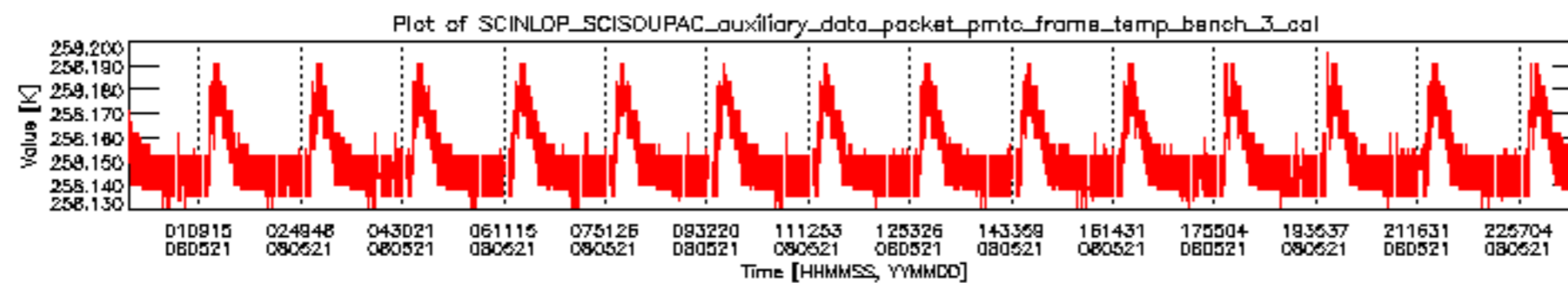
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080521_7.PNG

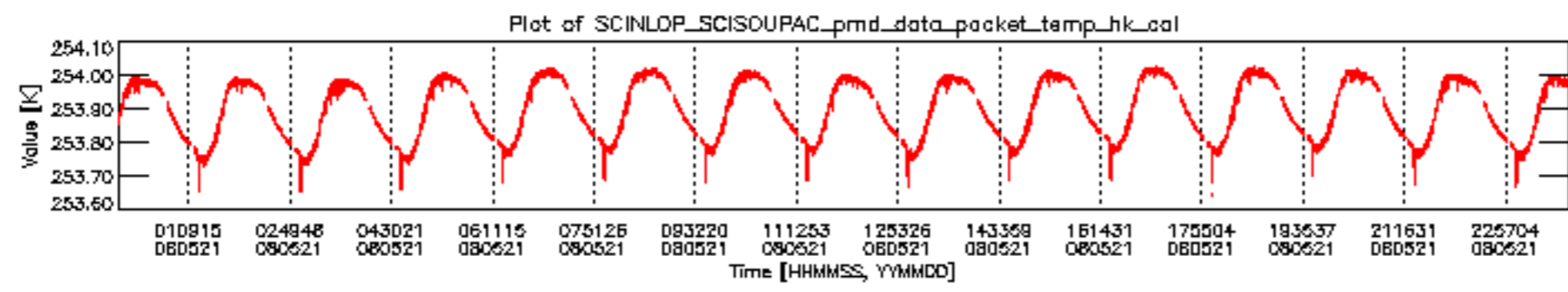


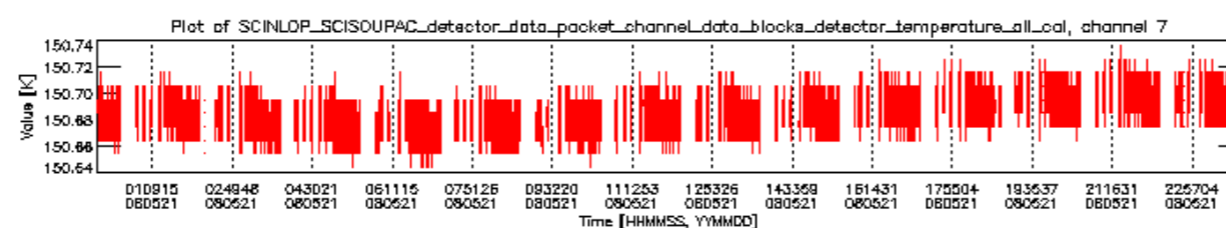
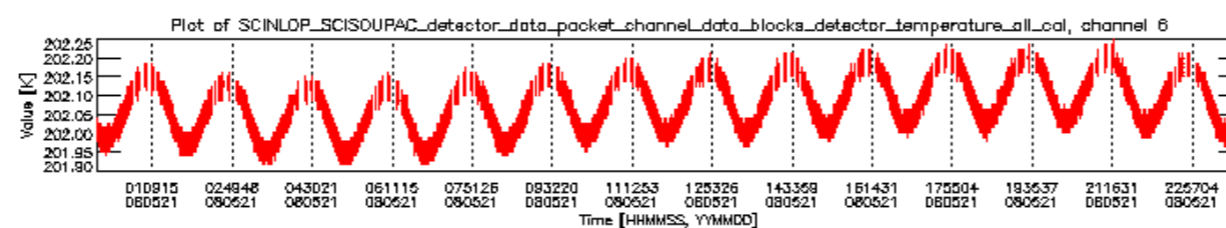
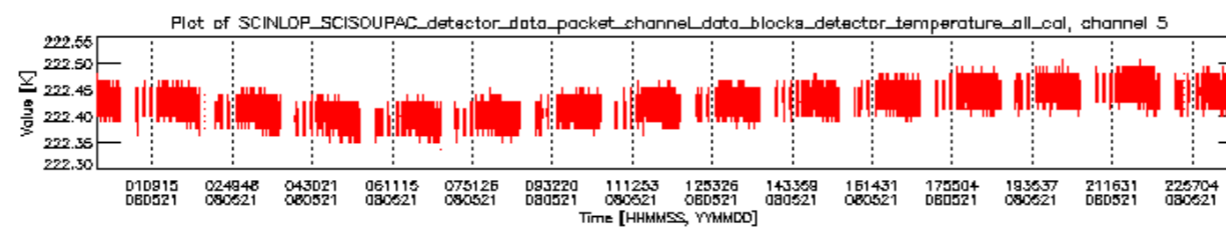
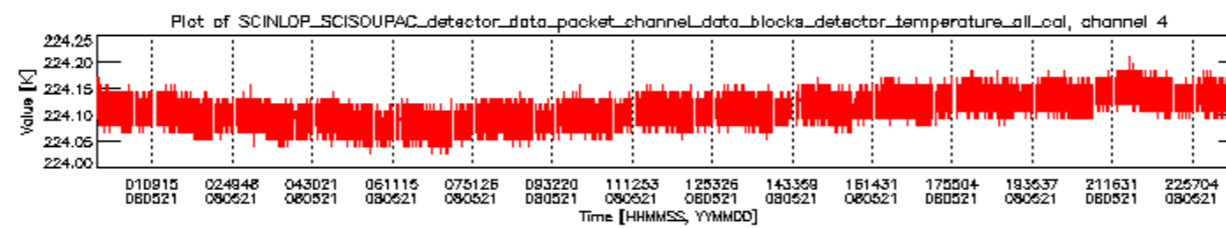
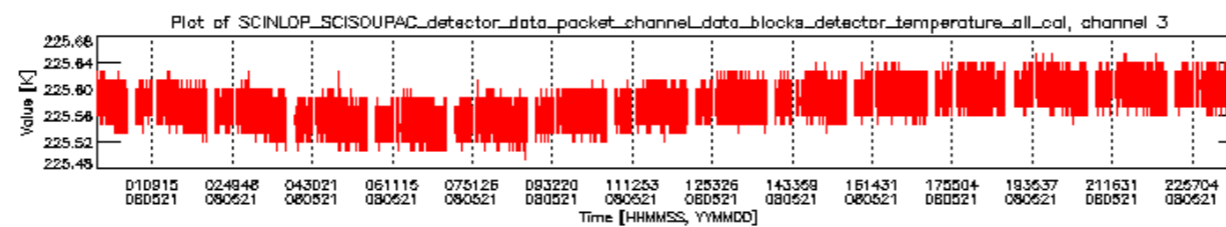
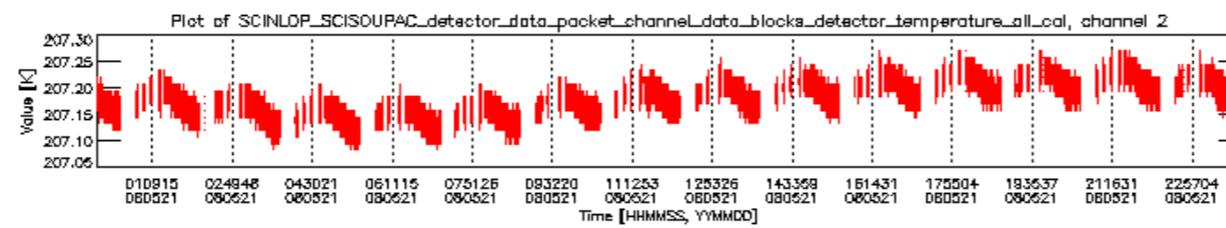
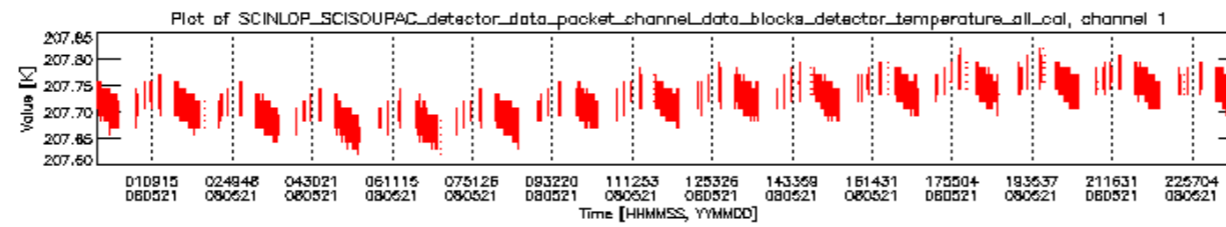
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080521_8.PNG

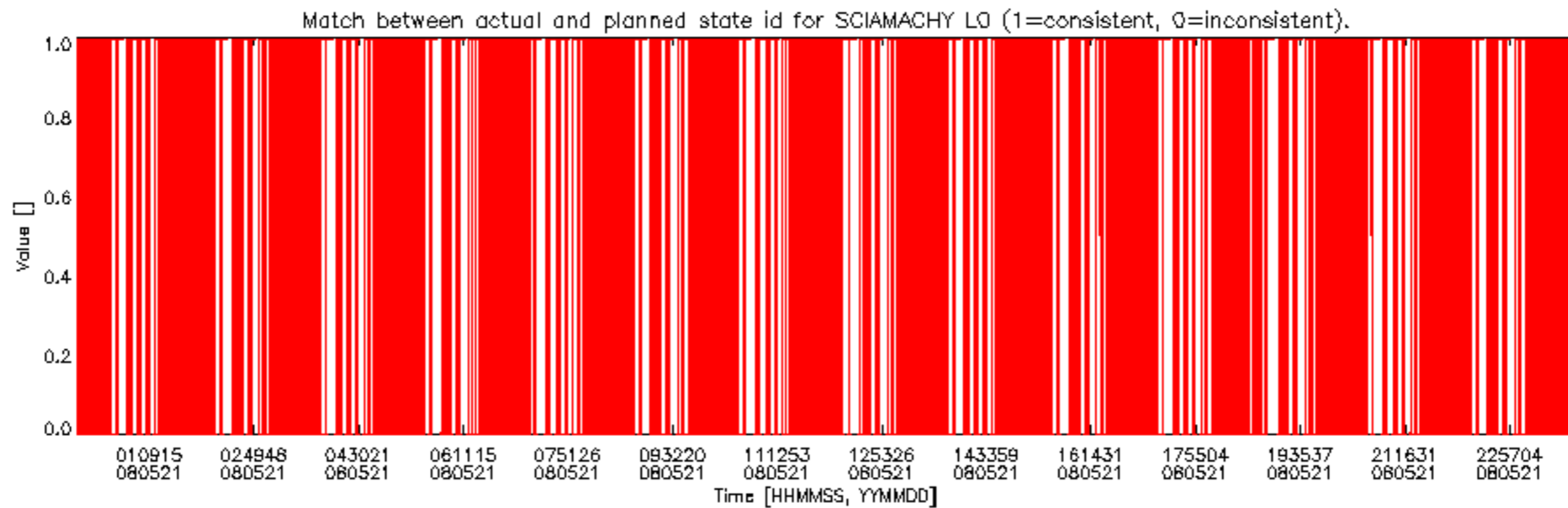
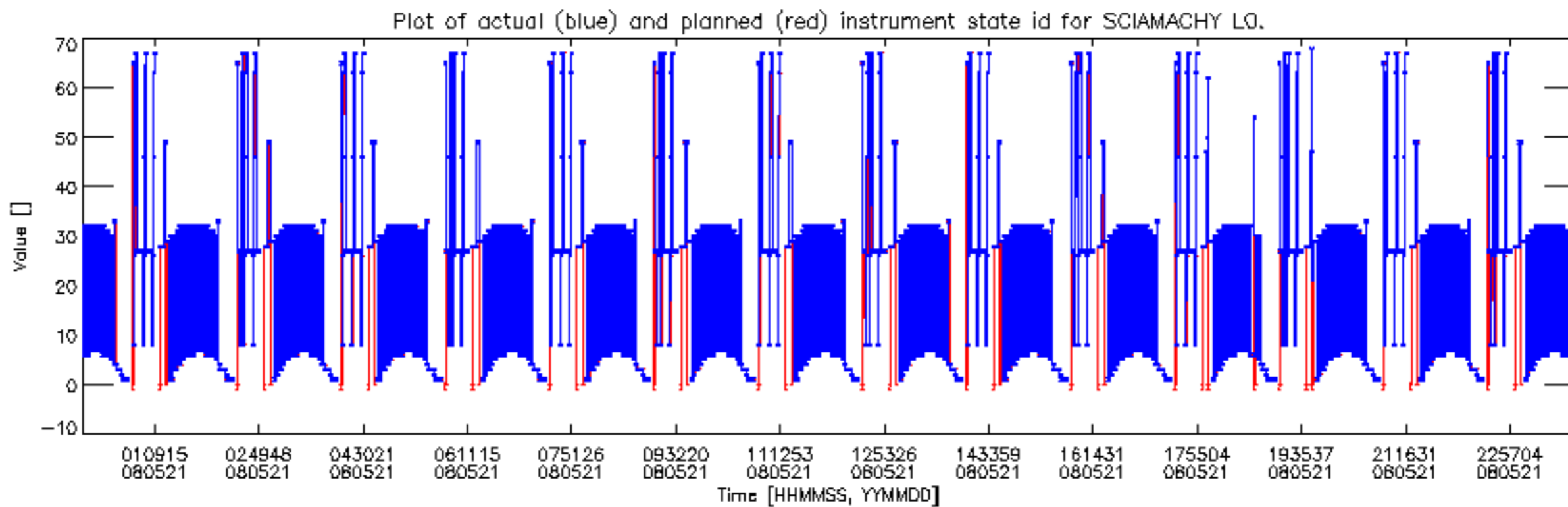












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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