

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	17JUN2008 05:21:06
Data source version	KSPT_L0/4303-N
Processing scope for products	13JUN2008 00:00:00 to 14JUN2008 00:00:00
Start time of first product within scope	12JUN2008 22:53:32
Stop time of last product within scope	14JUN2008 00:03:01
Total number of level 0 products	16
Number of level 0 products with errors	1

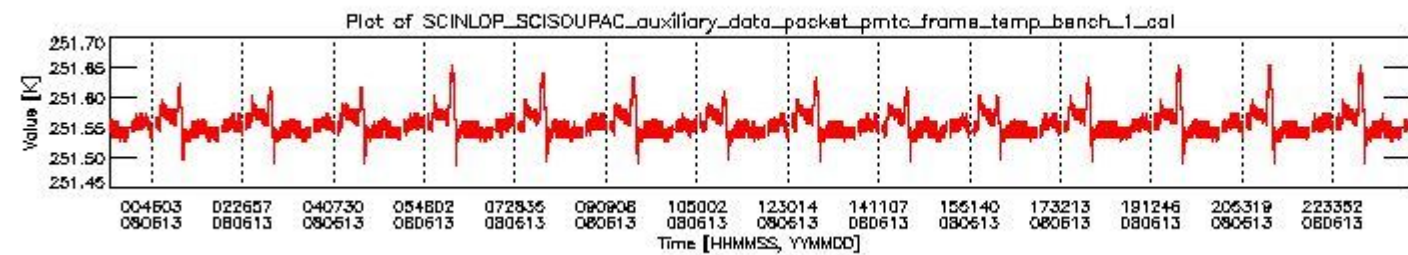
0.1.2 Summary per product

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

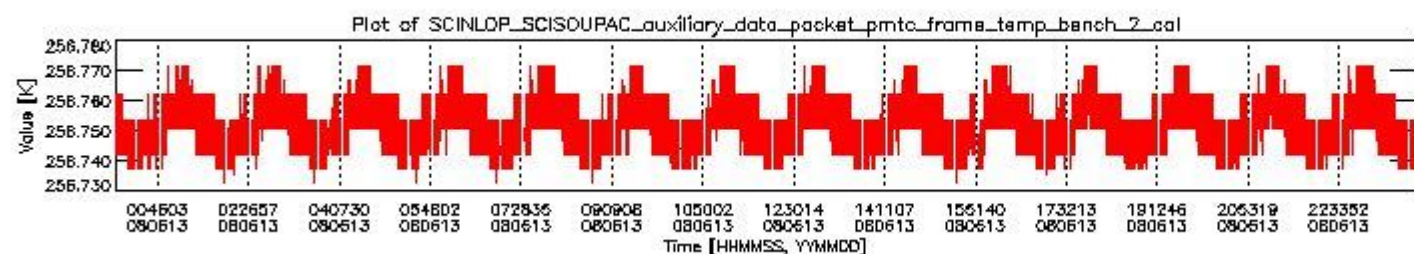
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080612_225332_000060232069_00244_32863_6957.N1	12JUN2008 22:53:32	13JUN2008 00:33:55	0	0	0	0	0
1	SCI_NL__OPNPDE20080613_003231_000059122069_00245_32864_6958.N1	13JUN2008 00:32:31	13JUN2008 02:11:03	0	0	0	0	0
2	SCI_NL__OPNPDE20080613_020935_000046252069_00246_32865_6959.N1	13JUN2008 02:09:35	13JUN2008 03:26:40	0	0	0	0	0
3	SCI_NL__OPNPDE20080613_032531_000062162069_00247_32866_6960.N1	13JUN2008 03:25:31	13JUN2008 05:09:07	0	0	0	0	0
4	SCI_NL__OPNPDE20080613_050907_000059802069_00248_32867_6961.N1	13JUN2008 05:09:07	13JUN2008 06:48:47	0	0	0	0	0
5	SCI_NL__OPNPDK20080613_064847_000040452069_00249_32868_8490.N1	13JUN2008 06:48:47	13JUN2008 07:56:12	0	0	0	0	0
6	SCI_NL__OPNPDK20080613_075612_000061602069_00250_32869_8491.N1	13JUN2008 07:56:12	13JUN2008 09:38:53	0	0	0	0	0
7	SCI_NL__OPNPDK20080613_093853_000059672069_00251_32870_8492.N1	13JUN2008 09:38:53	13JUN2008 11:18:20	0	0	0	0	0
8	SCI_NL__OPNPDK20080613_111724_000059802069_00252_32871_8493.N1	13JUN2008 11:17:24	13JUN2008 12:57:04	0	0	0	0	0
9	SCI_NL__OPNPDK20080613_125555_000059672069_00253_32872_8494.N1	13JUN2008 12:55:55	13JUN2008 14:35:22	0	0	0	0	0
10	SCI_NL__OPNPDK20080613_143522_000058562069_00254_32873_8495.N1	13JUN2008 14:35:22	13JUN2008 16:12:58	0	0	0	0	0
11	SCI_NL__OPNPDK20080613_161258_000058582069_00255_32874_8496.N1	13JUN2008 16:12:58	13JUN2008 17:50:36	0	0	0	0	0
12	SCI_NL__OPNPDK20080613_174940_000059802069_00256_32875_8497.N1	13JUN2008 17:49:40	13JUN2008 19:29:20	1	1	0	0	0
13	SCI_NL__OPNPDK20080613_192716_000062572069_00257_32876_8498.N1	13JUN2008 19:27:16	13JUN2008 21:11:33	0	0	0	0	0
14	SCI_NL__OPNPDE20080613_210928_000043012069_00258_32877_6962.N1	13JUN2008 21:09:28	13JUN2008 22:21:09	0	0	0	0	0
15	SCI_NL__OPNPDE20080613_221941_000062002069_00258_32877_6963.N1	13JUN2008 22:19:41	14JUN2008 00:03:01	0	0	0	0	0

0.2 Product Quality Indicators

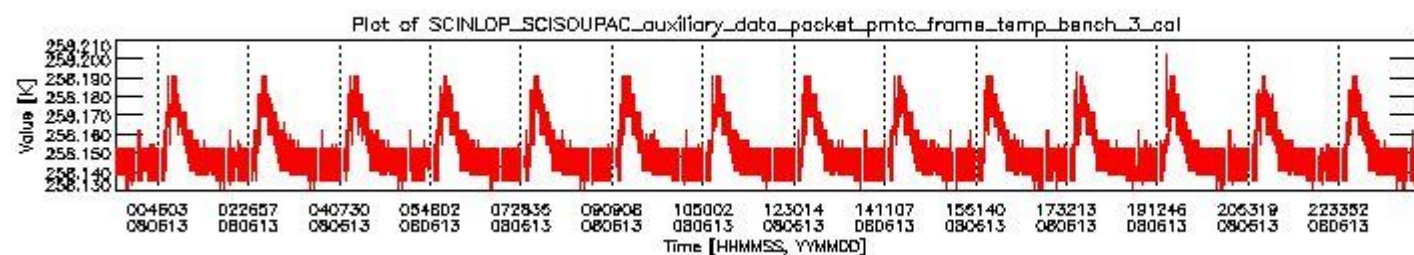
This section shows information about product quality, currently temperatures.



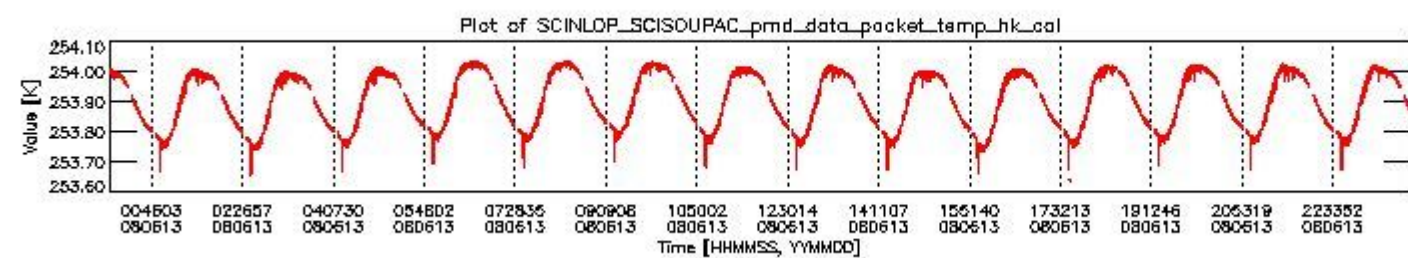
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080613_0.PNG



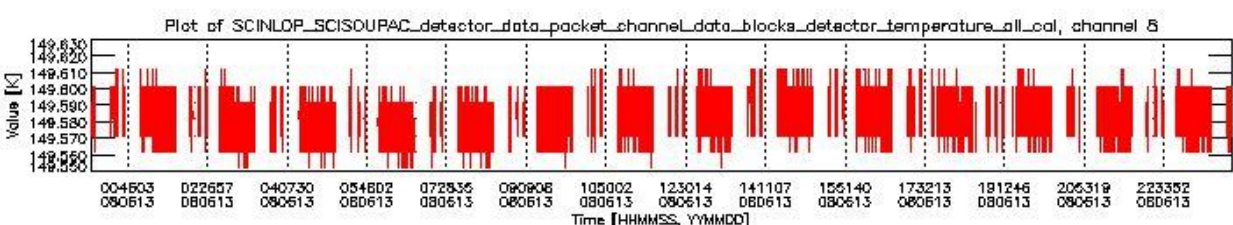
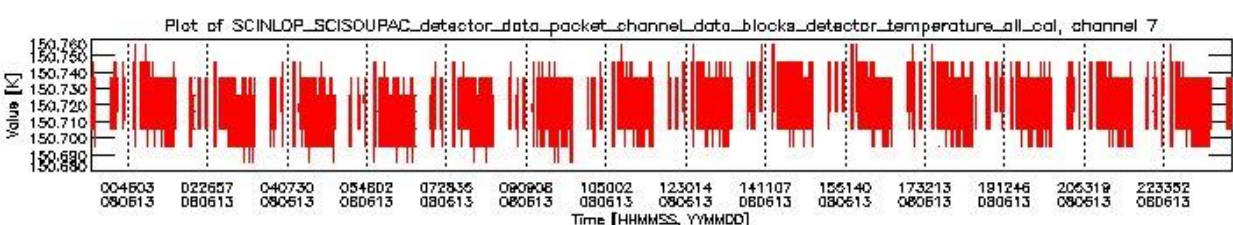
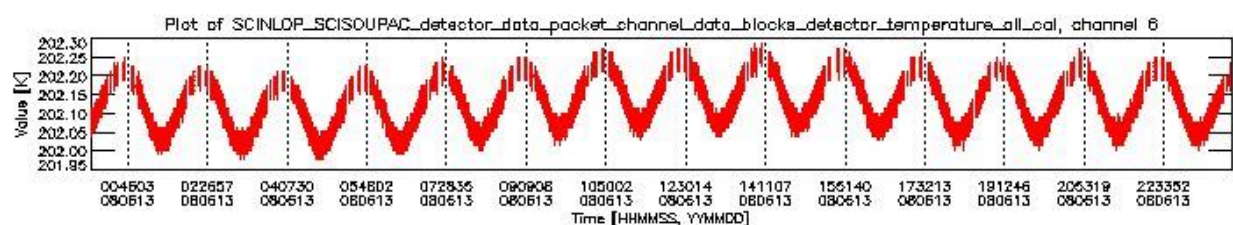
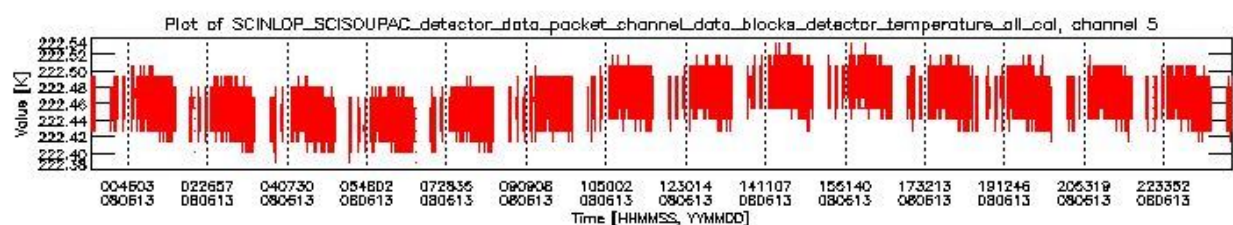
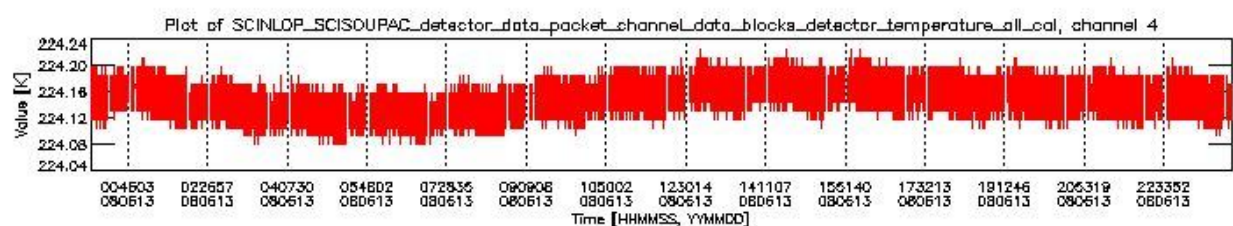
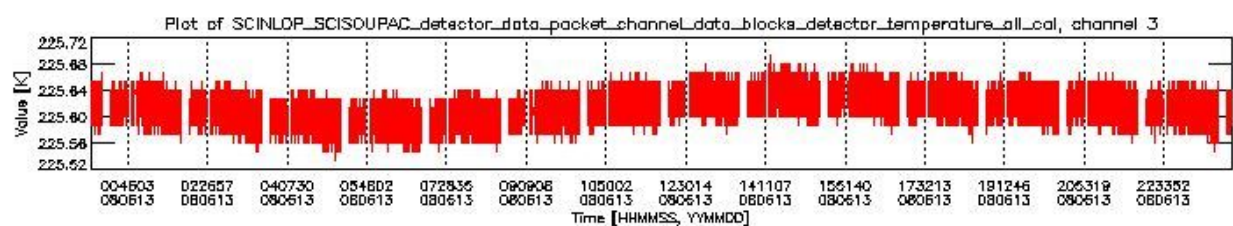
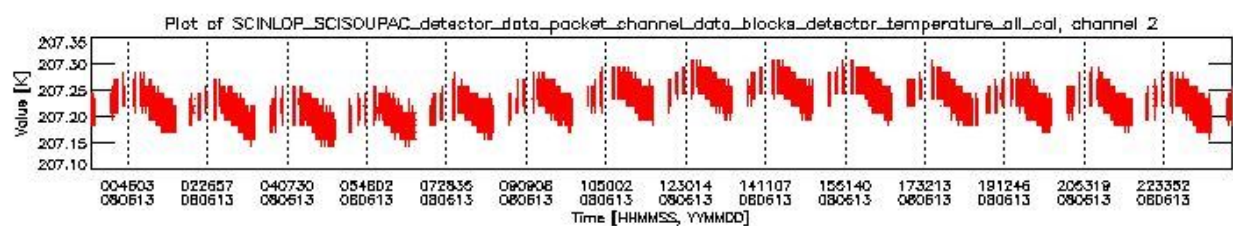
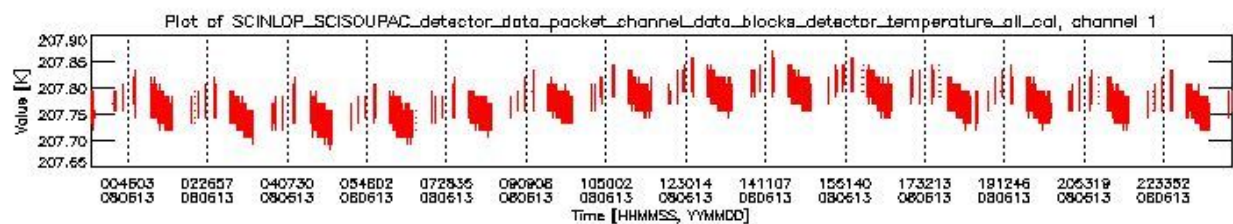
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080613_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080613_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080613_3.PNG

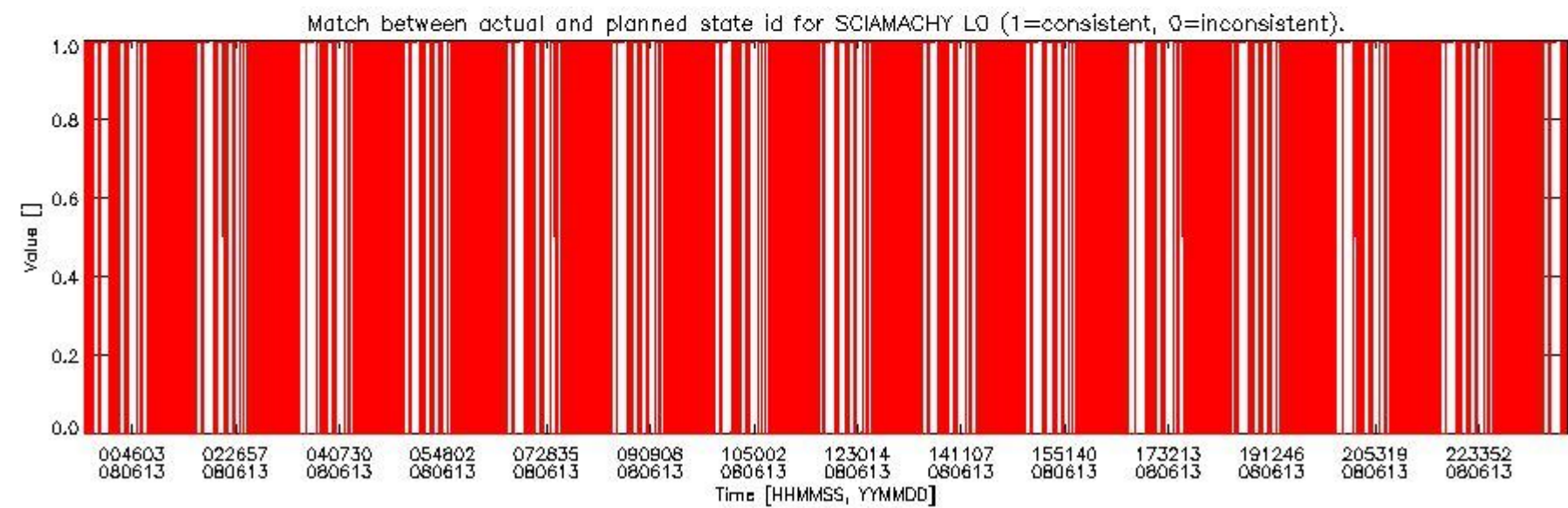
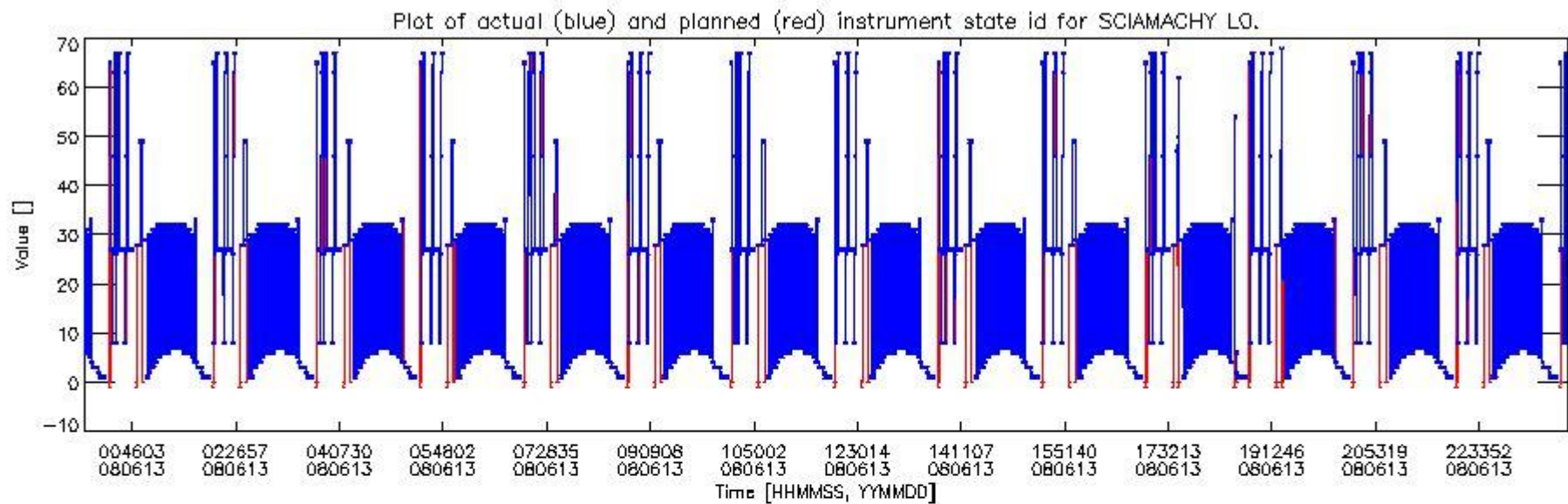


0.3 State monitoring

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: **32602**

#	Actual time	Actual value	Planned time	Planned value
0	13JUN2008 00:00:11.105070	6	13JUN2008 00:00:11.105070	31
1	13JUN2008 00:00:11.480083	6	13JUN2008 00:00:11.480083	31
2	13JUN2008 00:00:11.730051	6	13JUN2008 00:00:11.730051	31
3	13JUN2008 00:00:11.980060	6	13JUN2008 00:00:11.980060	31
4	13JUN2008 00:00:12.230068	6	13JUN2008 00:00:12.230068	31
5	13JUN2008 00:00:12.480077	6	13JUN2008 00:00:12.480077	31
6	13JUN2008 00:00:12.730086	6	13JUN2008 00:00:12.730086	31
7	13JUN2008 00:00:12.980054	6	13JUN2008 00:00:12.980054	31
8	13JUN2008 00:00:13.230063	6	13JUN2008 00:00:13.230063	31
9	13JUN2008 00:00:13.480072	6	13JUN2008 00:00:13.480072	31
10	13JUN2008 00:00:13.730080	6	13JUN2008 00:00:13.730080	31
11	13JUN2008 00:00:13.980049	6	13JUN2008 00:00:13.980049	31
12	13JUN2008 00:00:14.230058	6	13JUN2008 00:00:14.230058	31
13	13JUN2008 00:00:14.480066	6	13JUN2008 00:00:14.480066	31
14	13JUN2008 00:00:14.730075	6	13JUN2008 00:00:14.730075	31
15	13JUN2008 00:00:14.980084	6	13JUN2008 00:00:14.980084	31
16	13JUN2008 00:00:15.230052	6	13JUN2008 00:00:15.230052	31
17	13JUN2008 00:00:15.480061	6	13JUN2008 00:00:15.480061	31
18	13JUN2008 00:00:15.730070	6	13JUN2008 00:00:15.730070	31
19	13JUN2008 00:00:15.980078	6	13JUN2008 00:00:15.980078	31

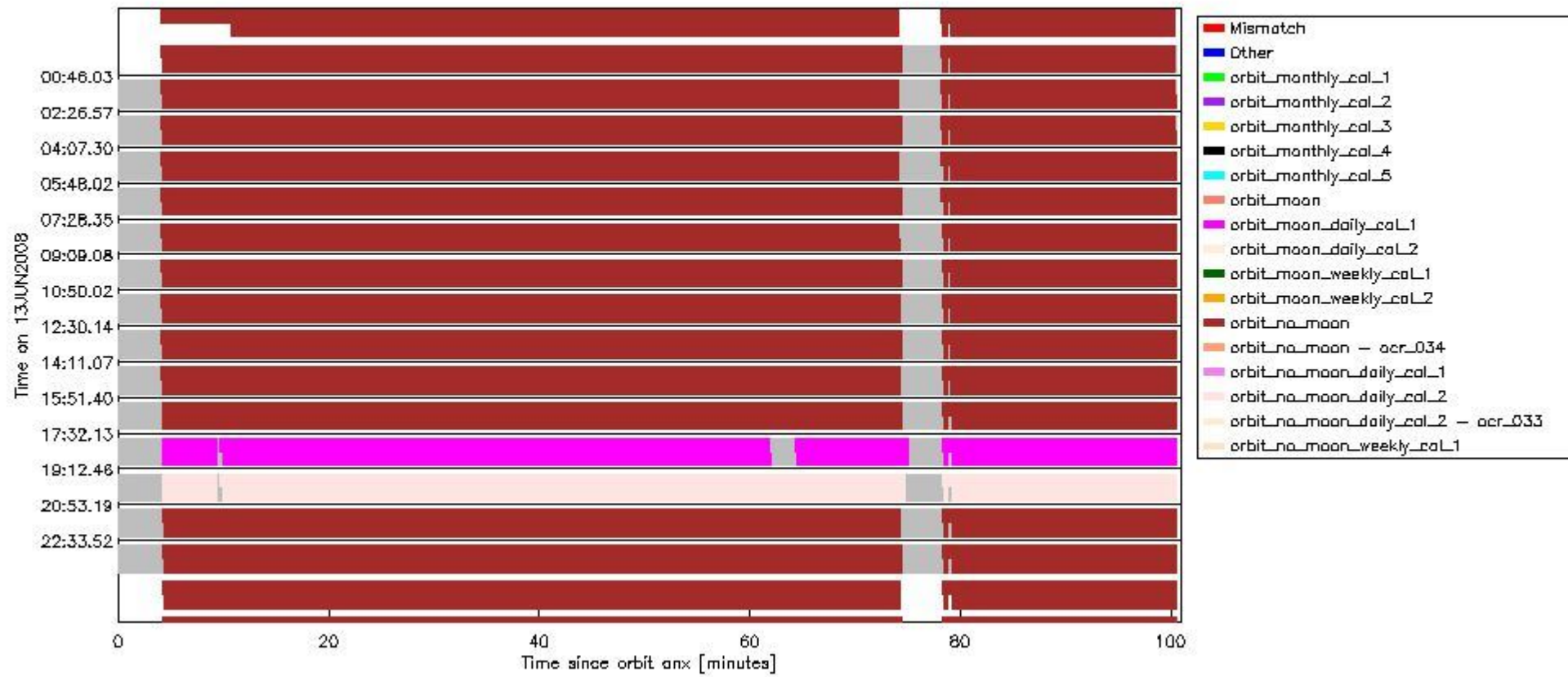


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080613_5.PNG

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 13JUN2008.
 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_20080613_6.PNG

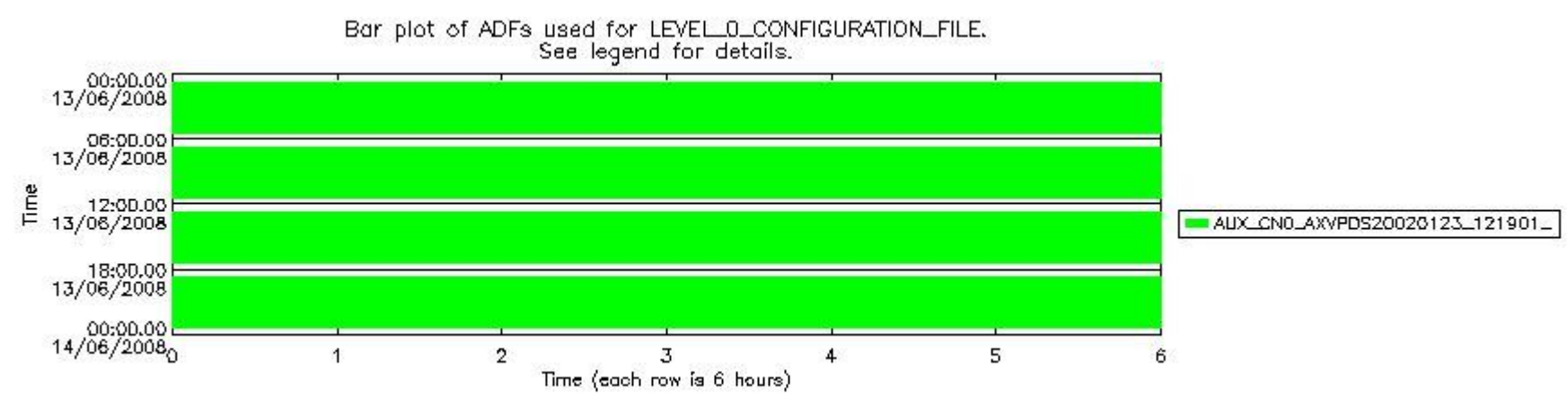
0.4 ADF monitoring

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

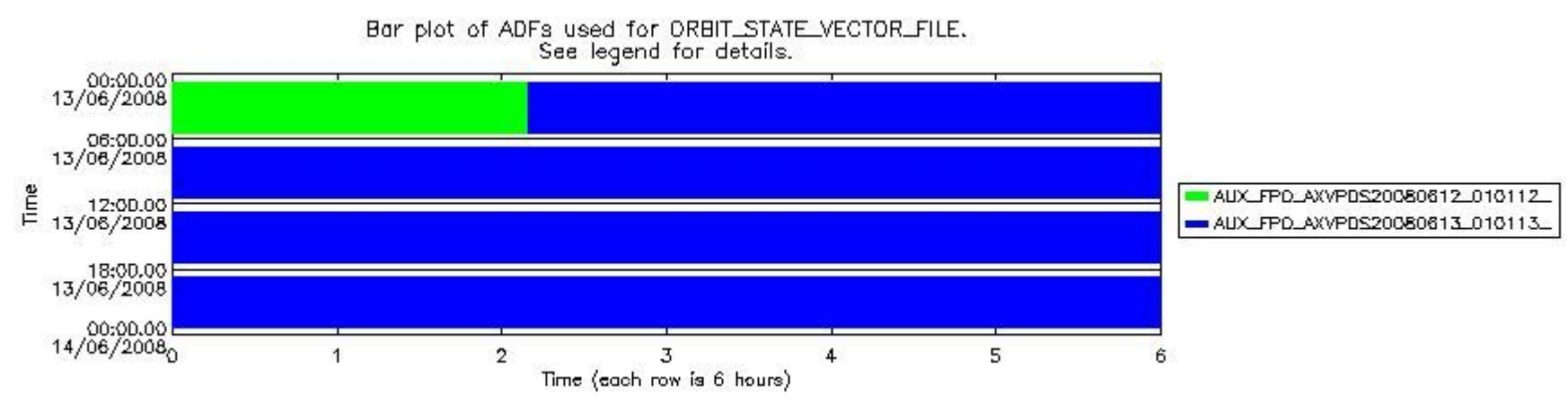
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

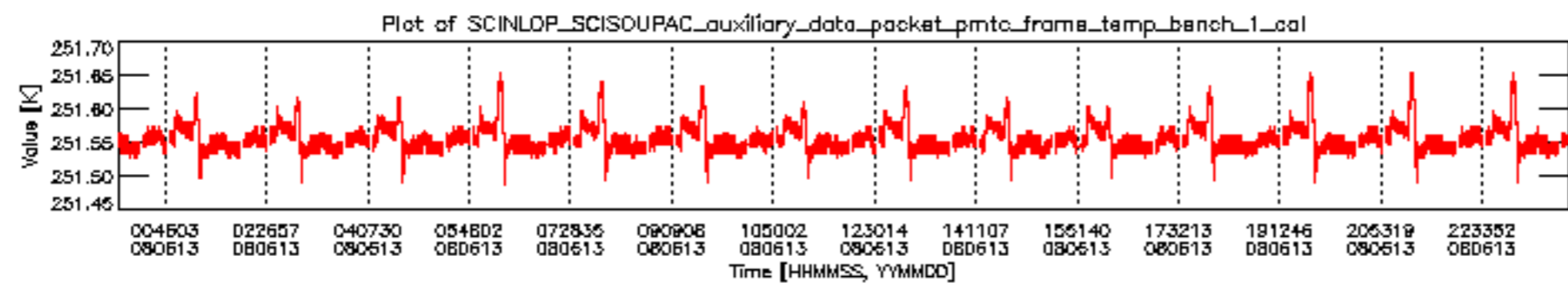
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080612_010112_20080611_183527_20080621_200141
2	AUX_FPO_AXVPDS20080613_010113_20080612_194426_20080622_211039

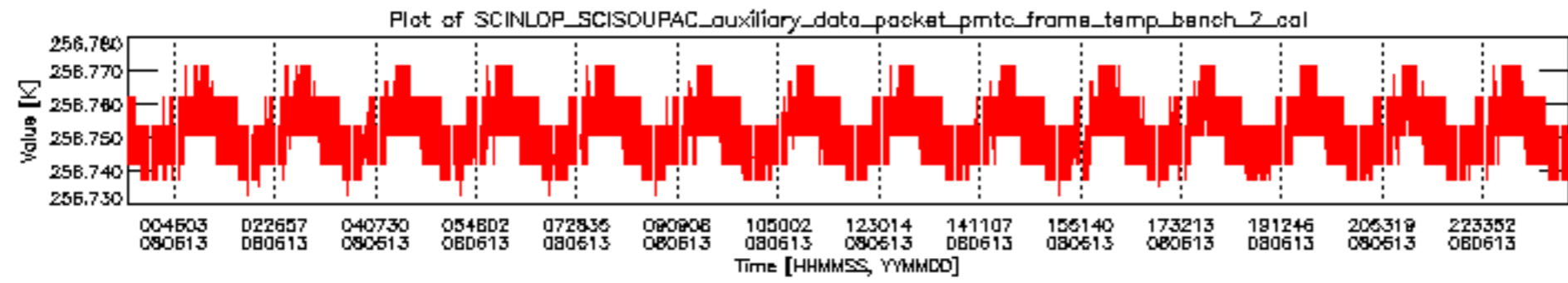


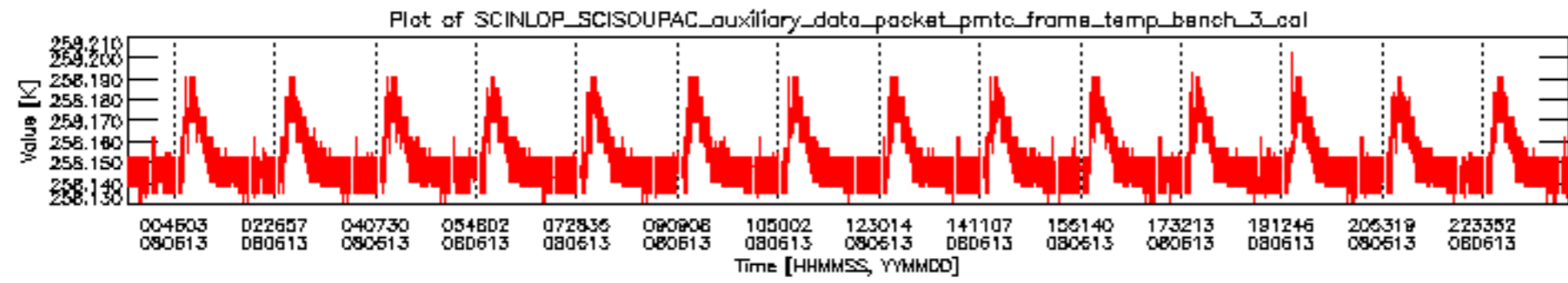
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080613_7.PNG

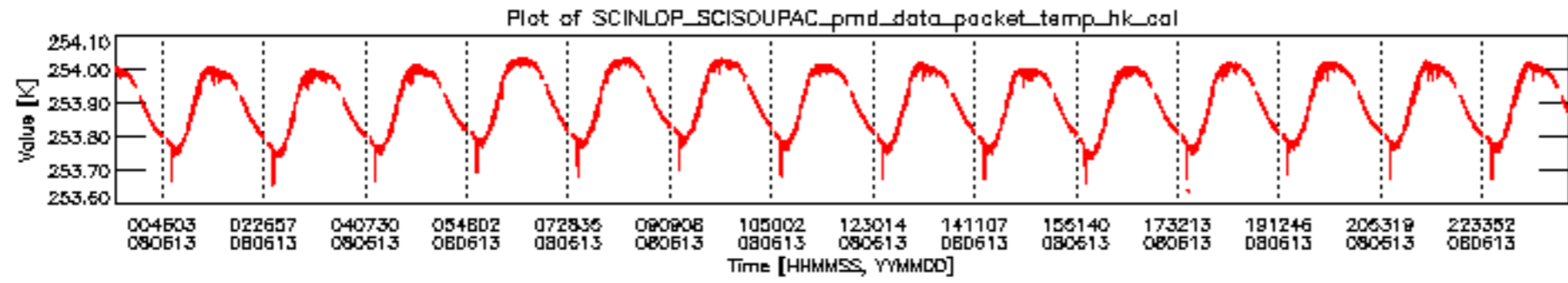


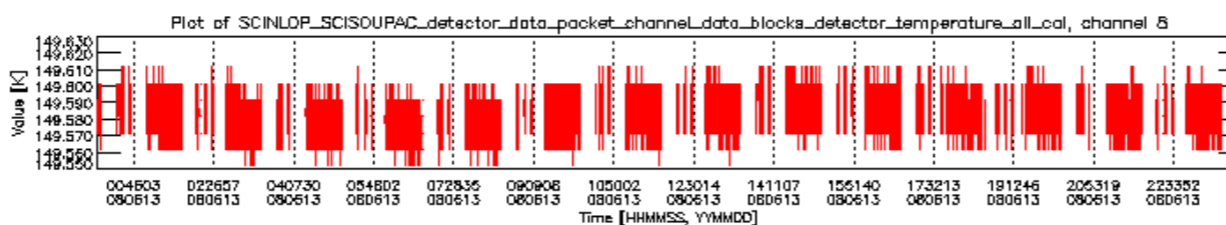
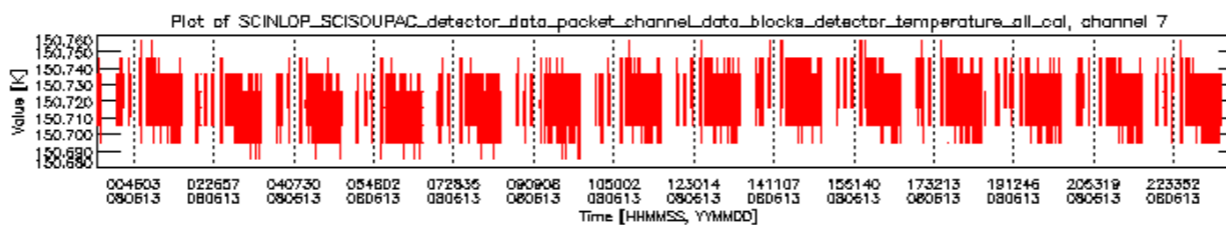
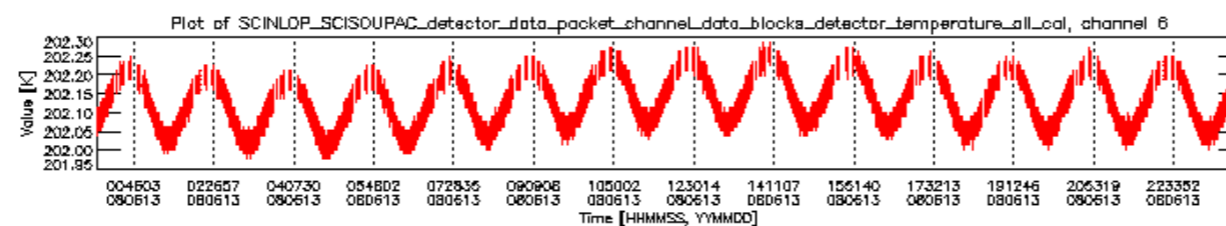
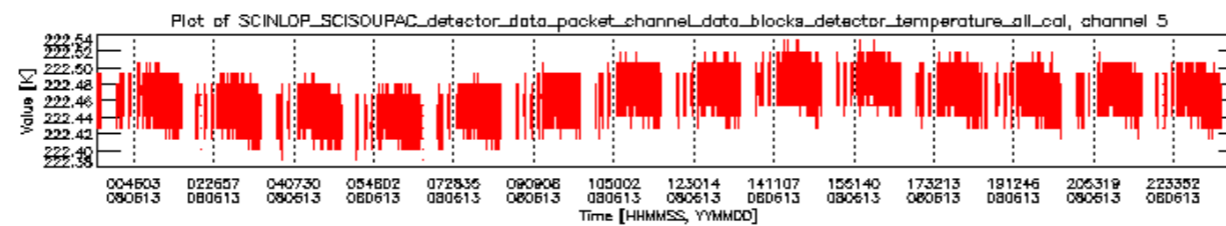
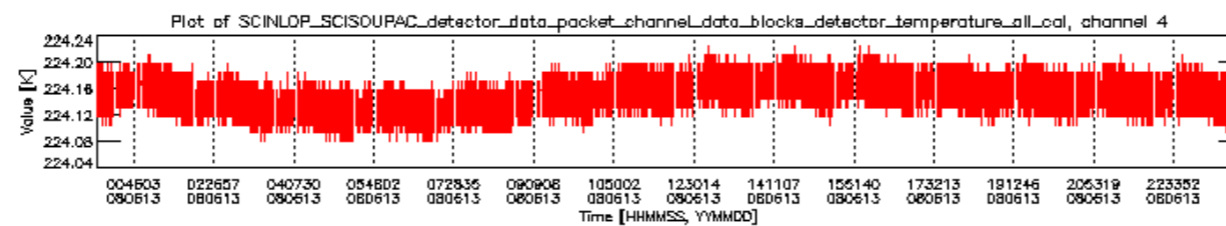
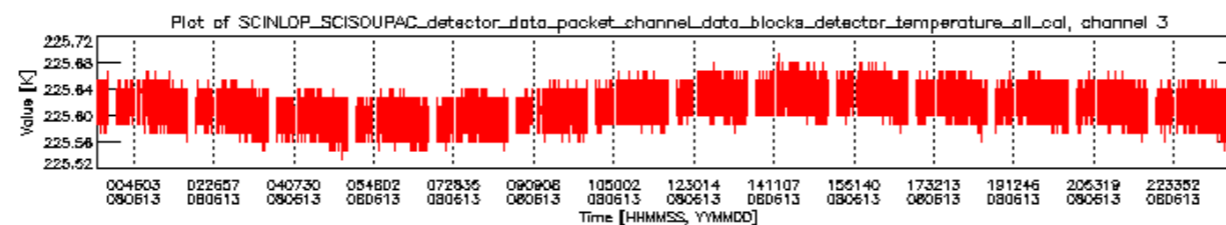
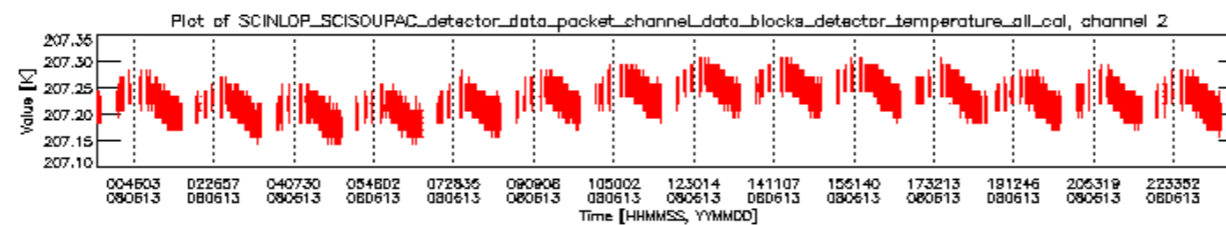
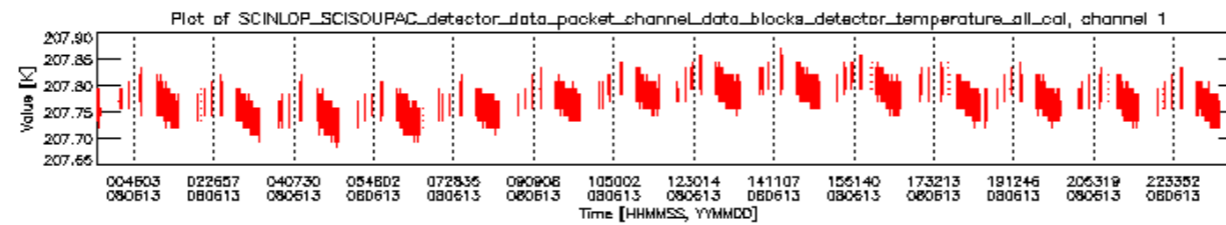
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080613_8.PNG

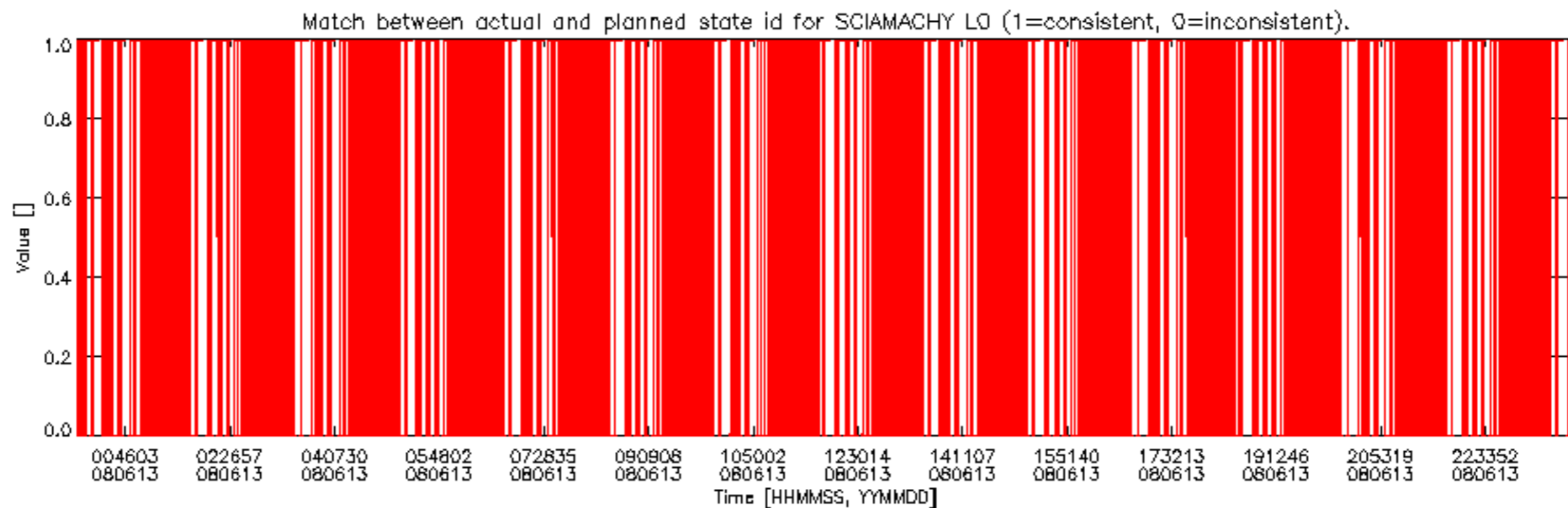
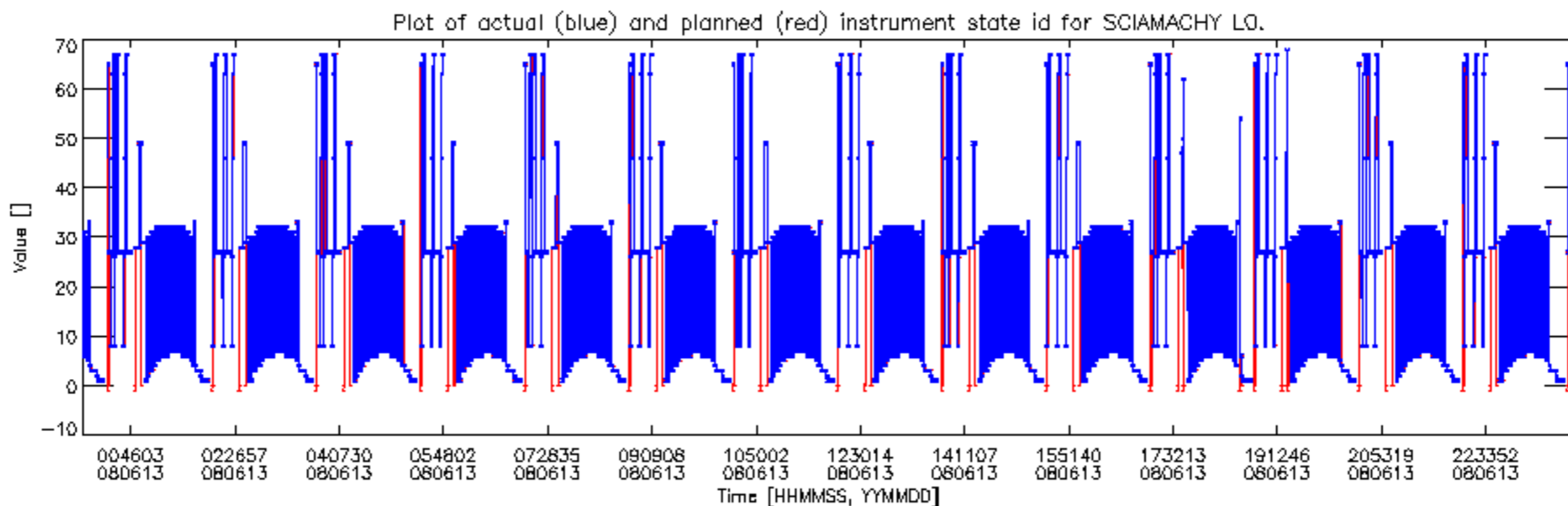












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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