

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	31MAY2008 05:12:09
Data source version	KSPT_L0/4303-N
Processing scope for products	27MAY2008 00:00:00 to 28MAY2008 00:00:00
Start time of first product within scope	26MAY2008 23:27:01
Stop time of last product within scope	28MAY2008 00:37:33
Total number of level 0 products	16
Number of level 0 products with errors	0

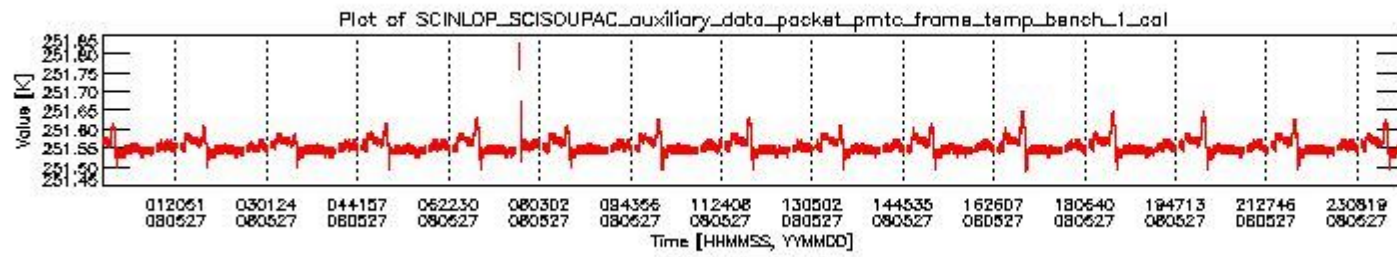
0.1.2 Summary per product

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

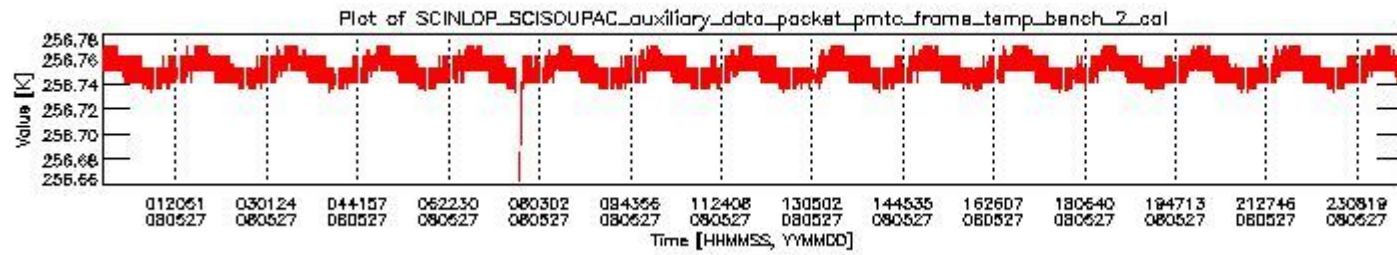
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080526_232701_000061752069_00001_32620_6844.N1	26MAY2008 23:27:01	27MAY2008 01:09:57	0	0	0	0	0
1	SCI_NL__OPNPDE20080527_010913_000045772069_00002_32621_6845.N1	27MAY2008 01:09:13	27MAY2008 02:25:30	0	0	0	0	0
2	SCI_NL__OPNPDE20080527_022422_000058302069_00003_32622_6846.N1	27MAY2008 02:24:22	27MAY2008 04:01:32	0	0	0	0	0
3	SCI_NL__OPNPDE20080527_040132_000060492069_00004_32623_6847.N1	27MAY2008 04:01:32	27MAY2008 05:42:20	0	0	0	0	0
4	SCI_NL__OPNPDE20080527_054220_000061482069_00005_32624_6848.N1	27MAY2008 05:42:20	27MAY2008 07:24:48	0	0	0	0	0
5	SCI_NL__OPNPDK20080527_072448_000039892069_00006_32625_8324.N1	27MAY2008 07:24:48	27MAY2008 08:31:17	0	0	0	0	0
6	SCI_NL__OPNPDK20080527_083021_000061472069_00007_32626_8325.N1	27MAY2008 08:30:21	27MAY2008 10:12:48	0	0	0	0	0
7	SCI_NL__OPNPDK20080527_101248_000059242069_00008_32627_8326.N1	27MAY2008 10:12:48	27MAY2008 11:51:32	0	0	0	0	0
8	SCI_NL__OPNPDK20080527_115024_000060362069_00009_32628_8327.N1	27MAY2008 11:50:24	27MAY2008 13:30:59	0	0	0	0	0
9	SCI_NL__OPNPDK20080527_133059_000058552069_00010_32629_8328.N1	27MAY2008 13:30:59	27MAY2008 15:08:35	0	0	0	0	0
10	SCI_NL__OPNPDK20080527_150835_000058992069_00011_32630_8329.N1	27MAY2008 15:08:35	27MAY2008 16:46:53	0	0	0	0	0
11	SCI_NL__OPNPDK20080527_164653_000058982069_00012_32631_8330.N1	27MAY2008 16:46:53	27MAY2008 18:25:11	0	0	0	0	0
12	SCI_NL__OPNPDK20080527_182307_000059402069_00013_32632_8331.N1	27MAY2008 18:23:07	27MAY2008 20:02:07	0	0	0	0	0
13	SCI_NL__OPNPDE20080527_200111_000044232069_00014_32633_6849.N1	27MAY2008 20:01:11	27MAY2008 21:14:54	0	0	0	0	0
14	SCI_NL__OPNPDE20080527_211325_000062432069_00014_32633_6850.N1	27MAY2008 21:13:25	27MAY2008 22:57:29	0	0	0	0	0
15	SCI_NL__OPNPDE20080527_225521_000061322069_00015_32634_6851.N1	27MAY2008 22:55:21	28MAY2008 00:37:33	0	0	0	0	0

0.2 Product Quality Indicators

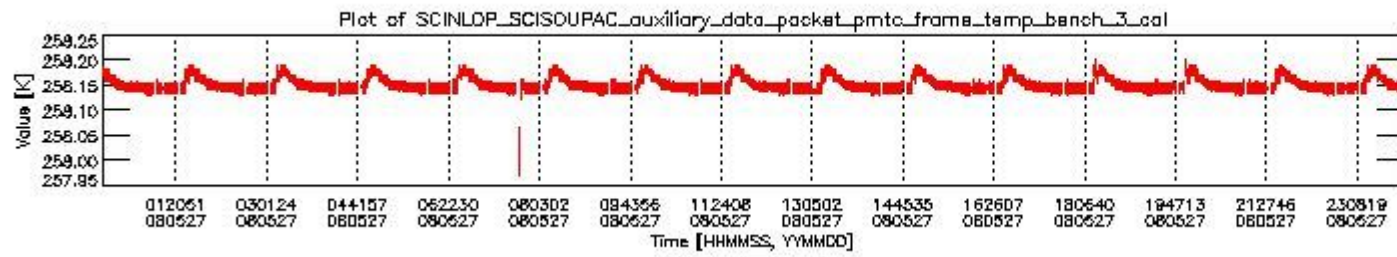
This section shows information about product quality, currently temperatures.



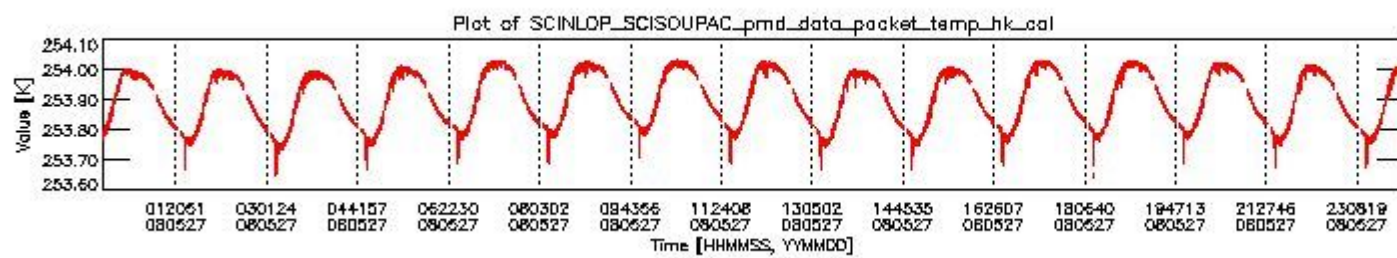
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080527_0.PNG



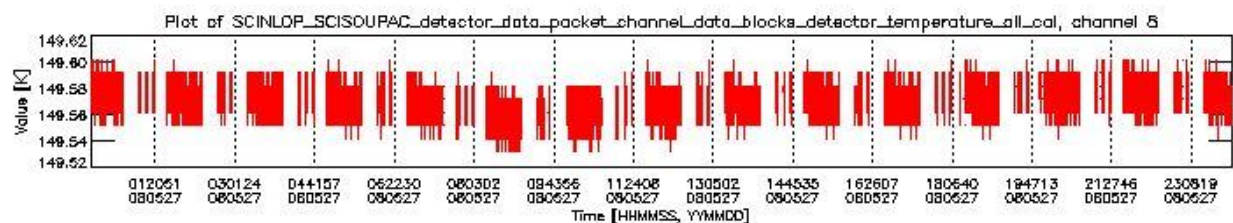
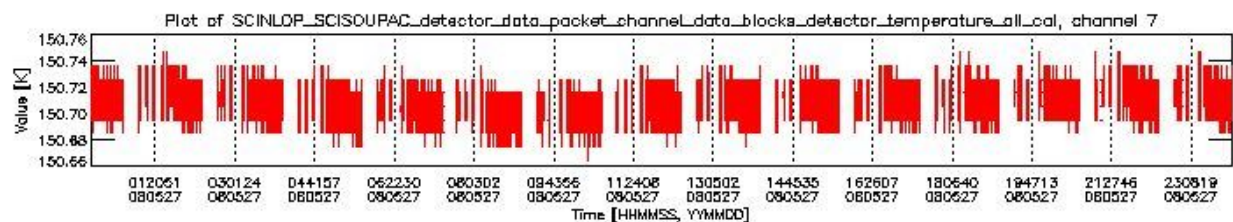
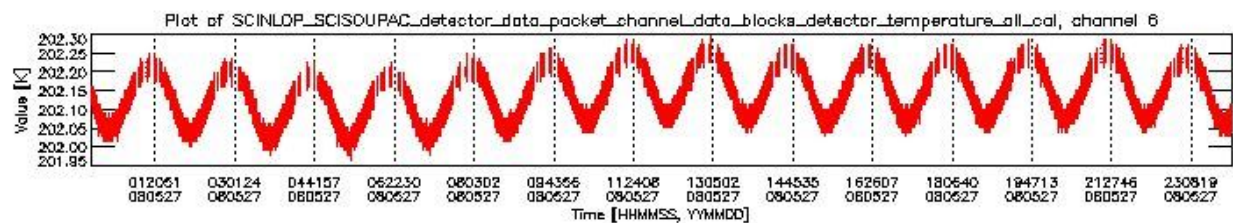
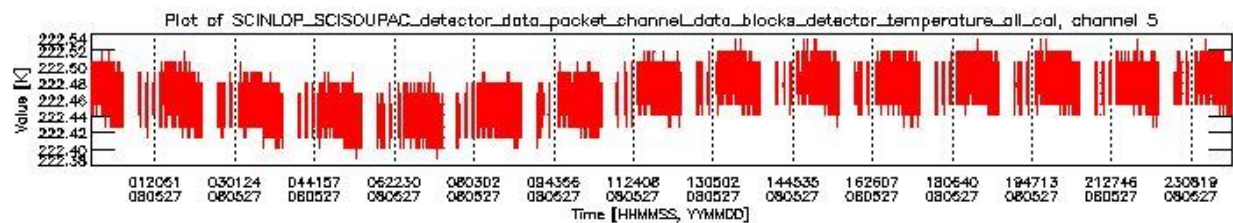
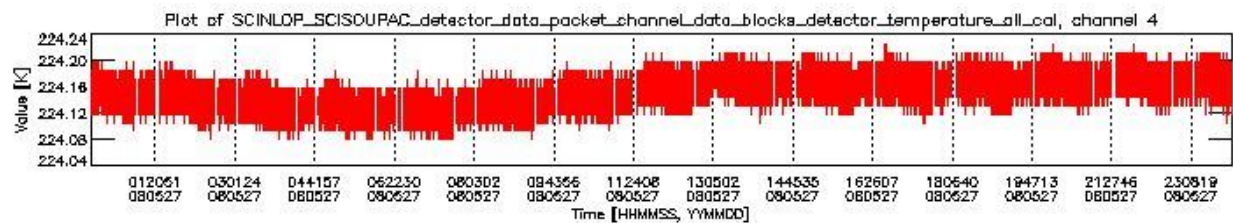
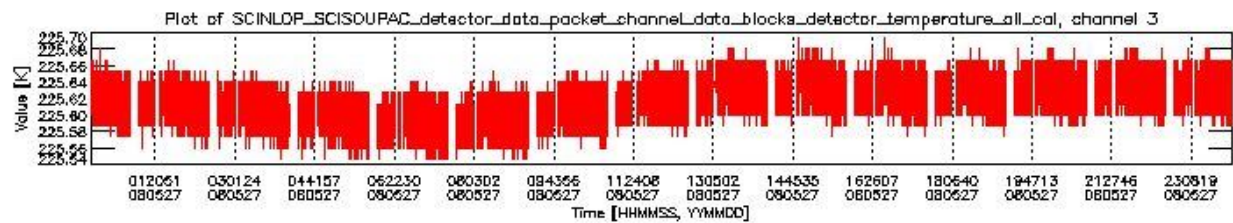
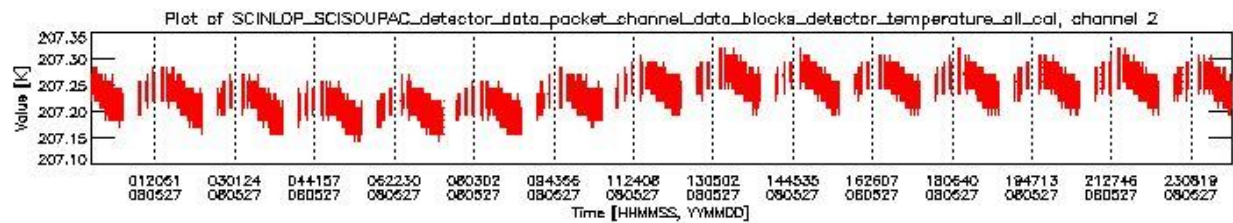
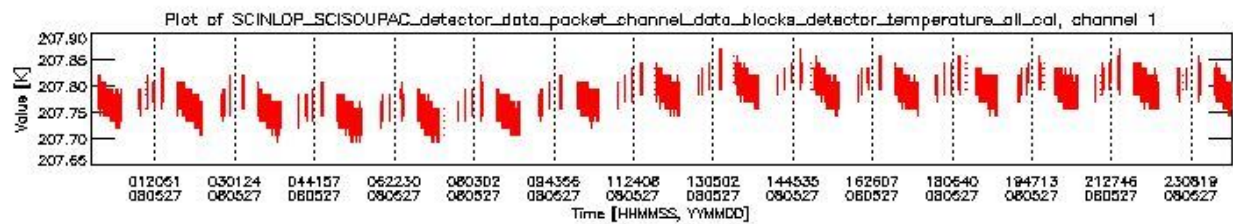
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080527_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080527_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080527_3.PNG

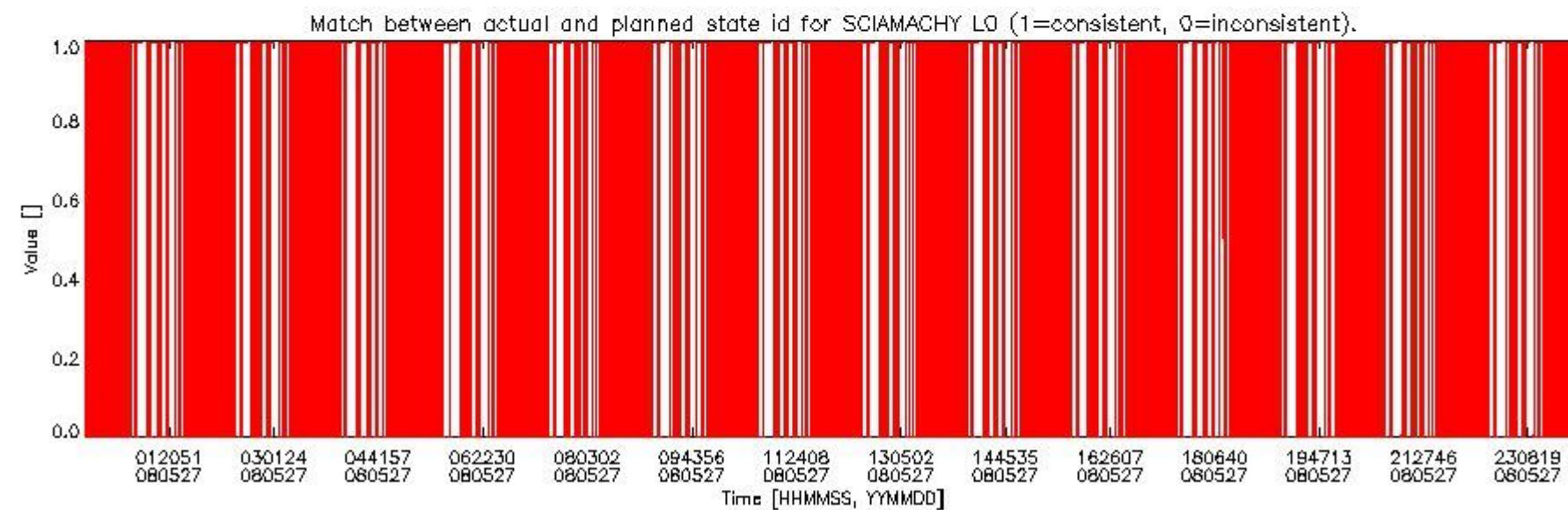
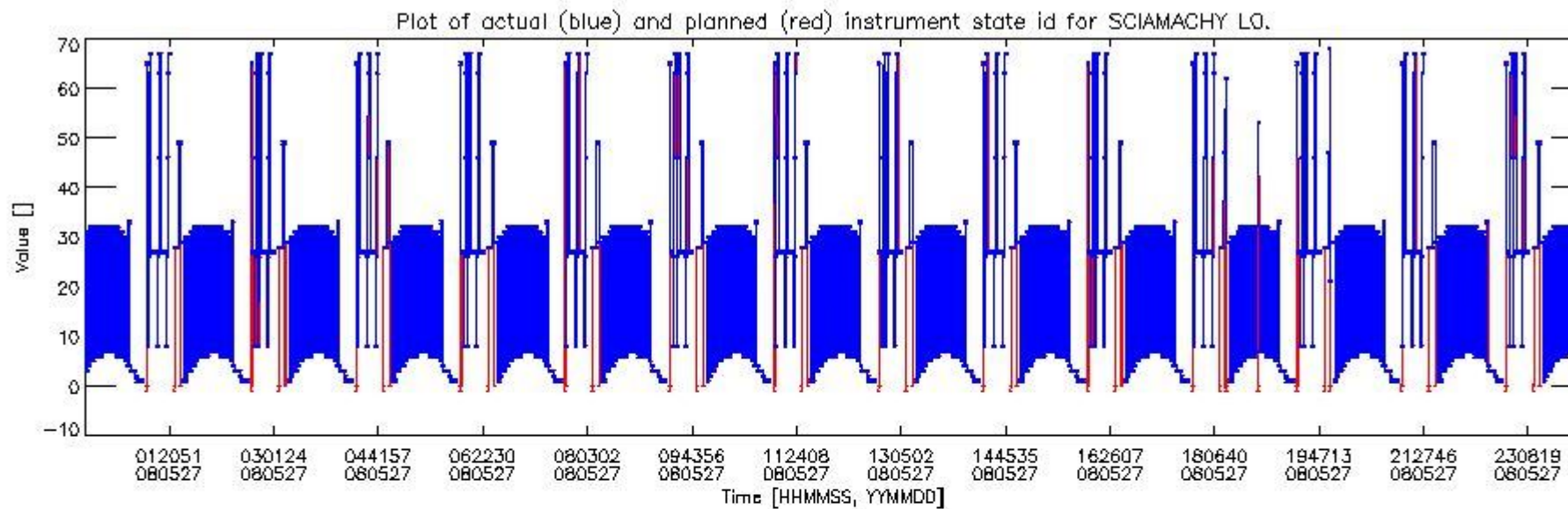


0.3 State monitoring

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: **34002**

#	Actual time	Actual value	Planned time	Planned value
0	27MAY2008 00:00:00.883198	31	27MAY2008 00:00:00.883198	3
1	27MAY2008 00:00:01.508179	31	27MAY2008 00:00:01.508179	3
2	27MAY2008 00:00:01.883192	31	27MAY2008 00:00:01.883192	3
3	27MAY2008 00:00:02.258205	31	27MAY2008 00:00:02.258205	3
4	27MAY2008 00:00:02.820705	31	27MAY2008 00:00:02.820705	3
5	27MAY2008 00:00:03.195678	31	27MAY2008 00:00:03.195678	3
6	27MAY2008 00:00:03.570691	31	27MAY2008 00:00:03.570691	3
7	27MAY2008 00:00:03.945704	31	27MAY2008 00:00:03.945704	3
8	27MAY2008 00:00:04.508203	31	27MAY2008 00:00:04.508203	3
9	27MAY2008 00:00:04.883176	31	27MAY2008 00:00:04.883176	3
10	27MAY2008 00:00:05.258189	31	27MAY2008 00:00:05.258189	3
11	27MAY2008 00:00:05.633202	31	27MAY2008 00:00:05.633202	3
12	27MAY2008 00:00:05.883211	31	27MAY2008 00:00:05.883211	3
13	27MAY2008 00:00:06.195702	31	27MAY2008 00:00:06.195702	3
14	27MAY2008 00:00:06.570674	31	27MAY2008 00:00:06.570674	3
15	27MAY2008 00:00:06.945688	31	27MAY2008 00:00:06.945688	3
16	27MAY2008 00:00:07.320701	31	27MAY2008 00:00:07.320701	3
17	27MAY2008 00:00:07.883200	31	27MAY2008 00:00:07.883200	3
18	27MAY2008 00:00:08.258173	31	27MAY2008 00:00:08.258173	3
19	27MAY2008 00:00:08.633186	31	27MAY2008 00:00:08.633186	3

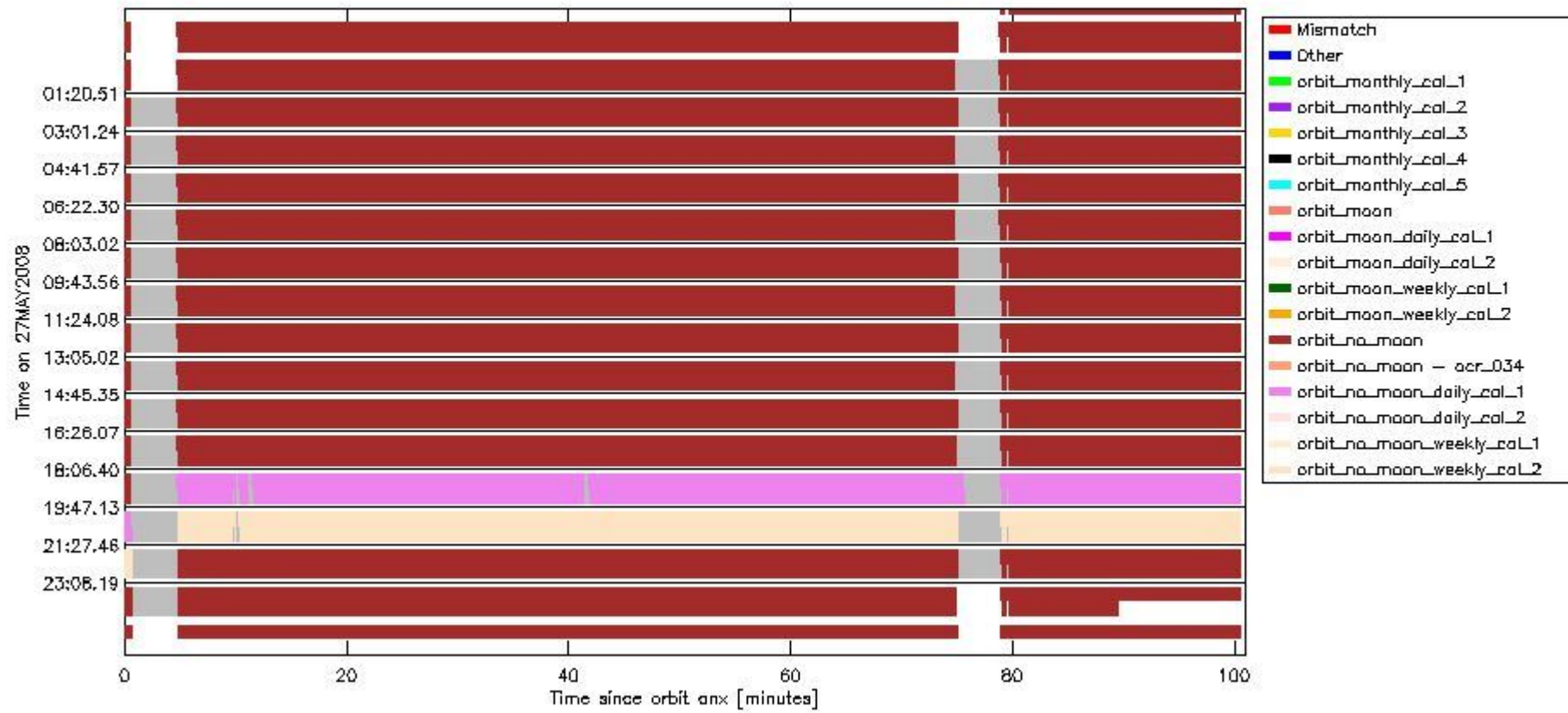


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080527_5.PNG

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 27MAY2008.
 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_20080527_6.PNG

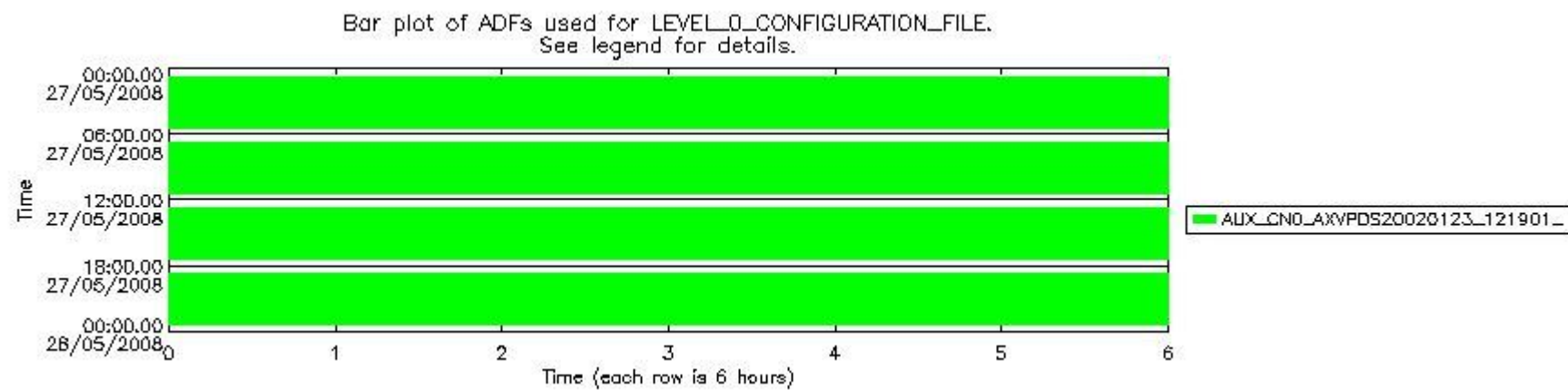
0.4 ADF monitoring

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

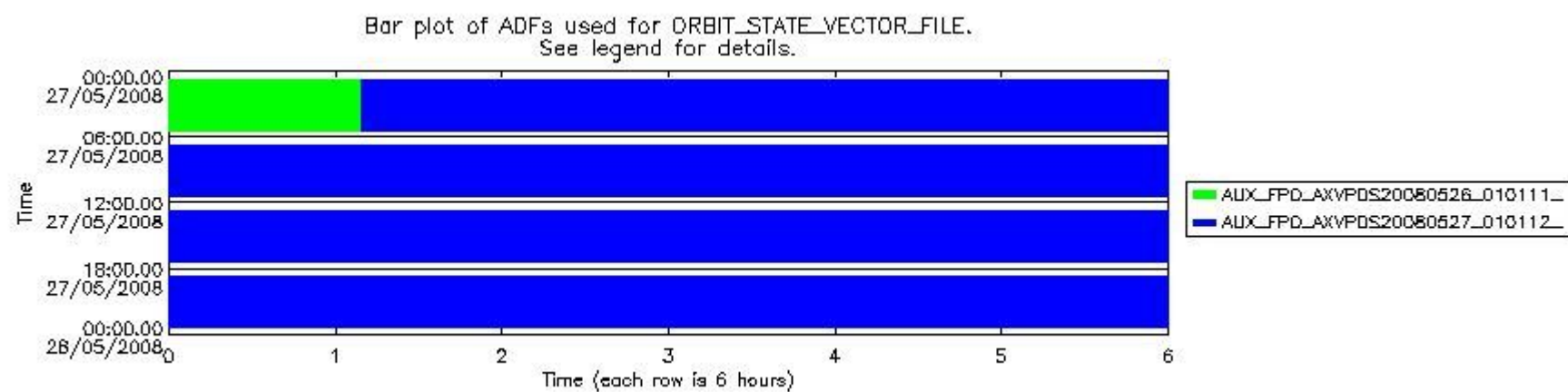
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

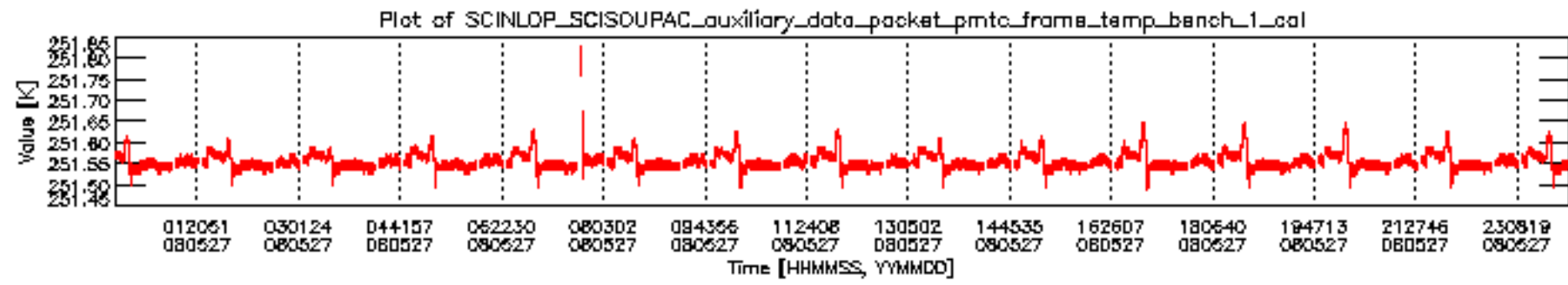
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080526_010111_20080525_190955_20080604_203609
2	AUX_FPO_AXVPDS20080527_010112_20080526_183818_20080605_200431

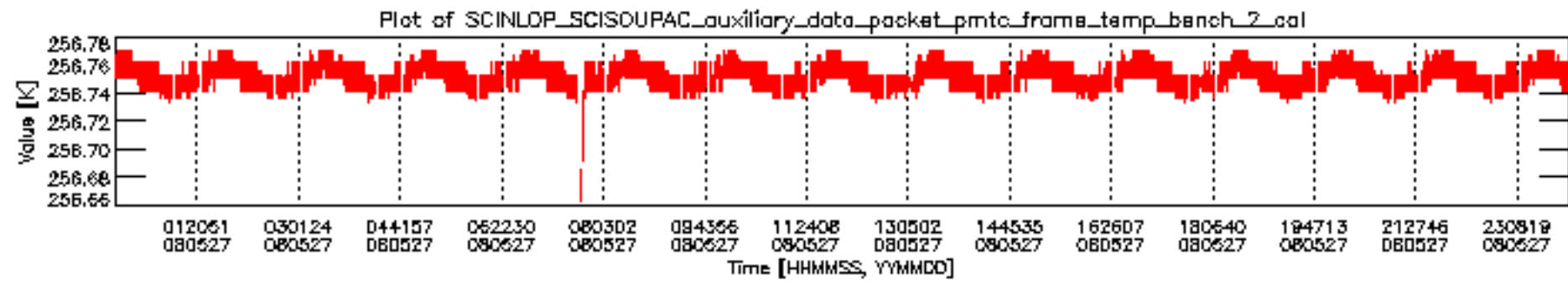


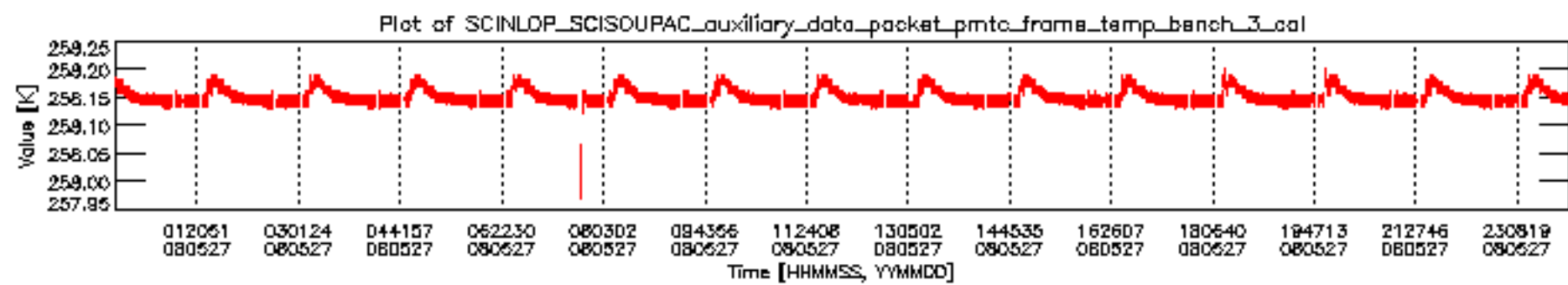
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080527_7.PNG

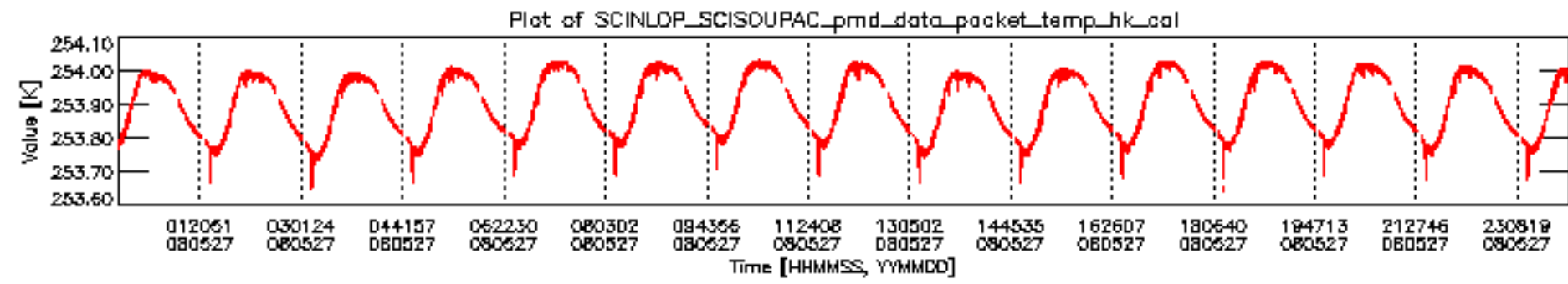


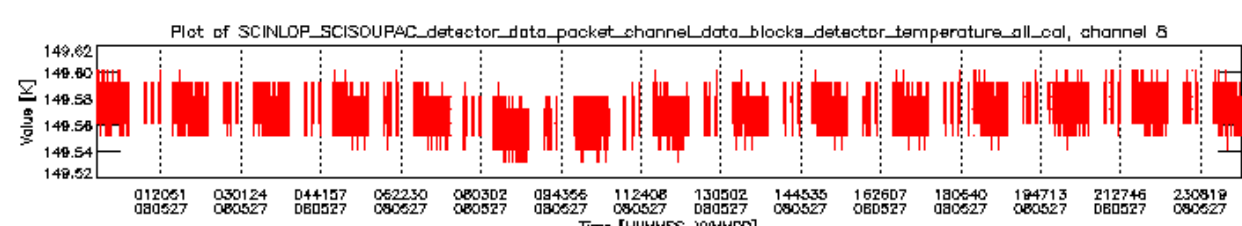
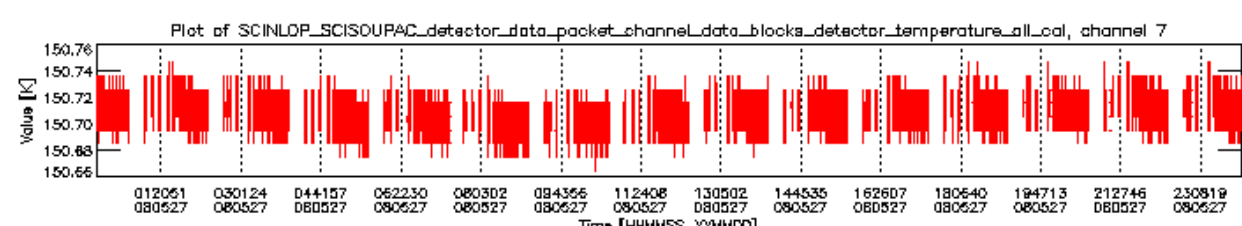
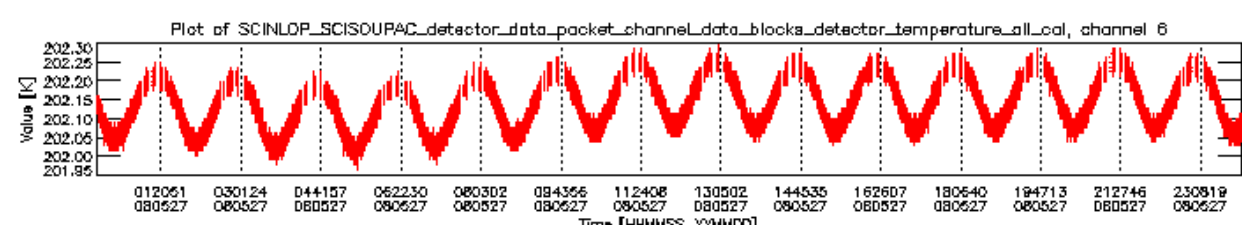
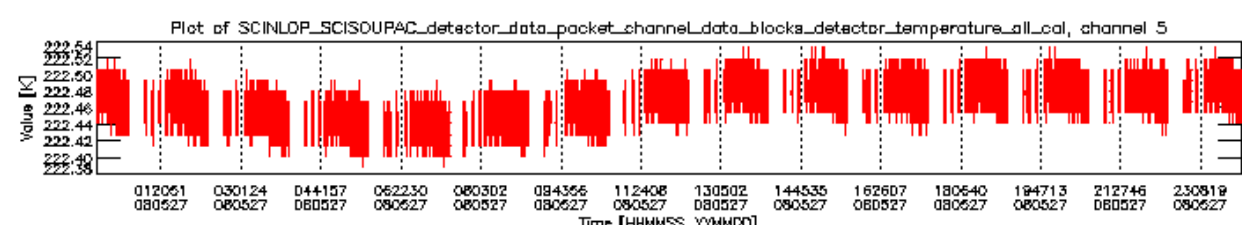
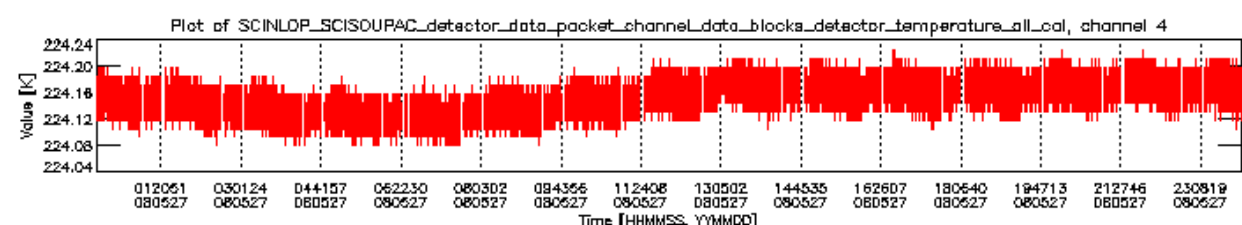
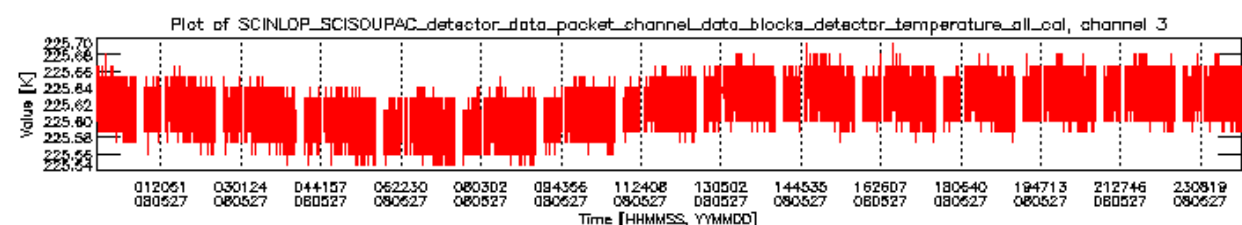
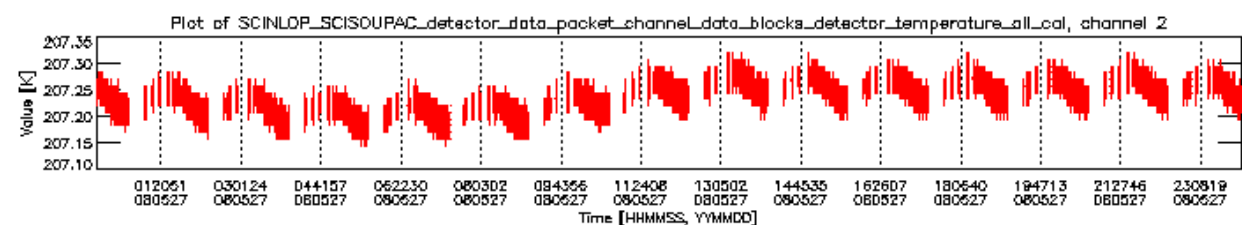
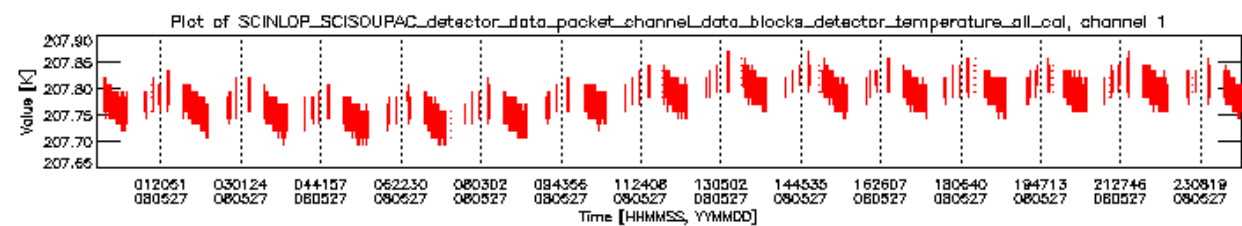
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080527_8.PNG

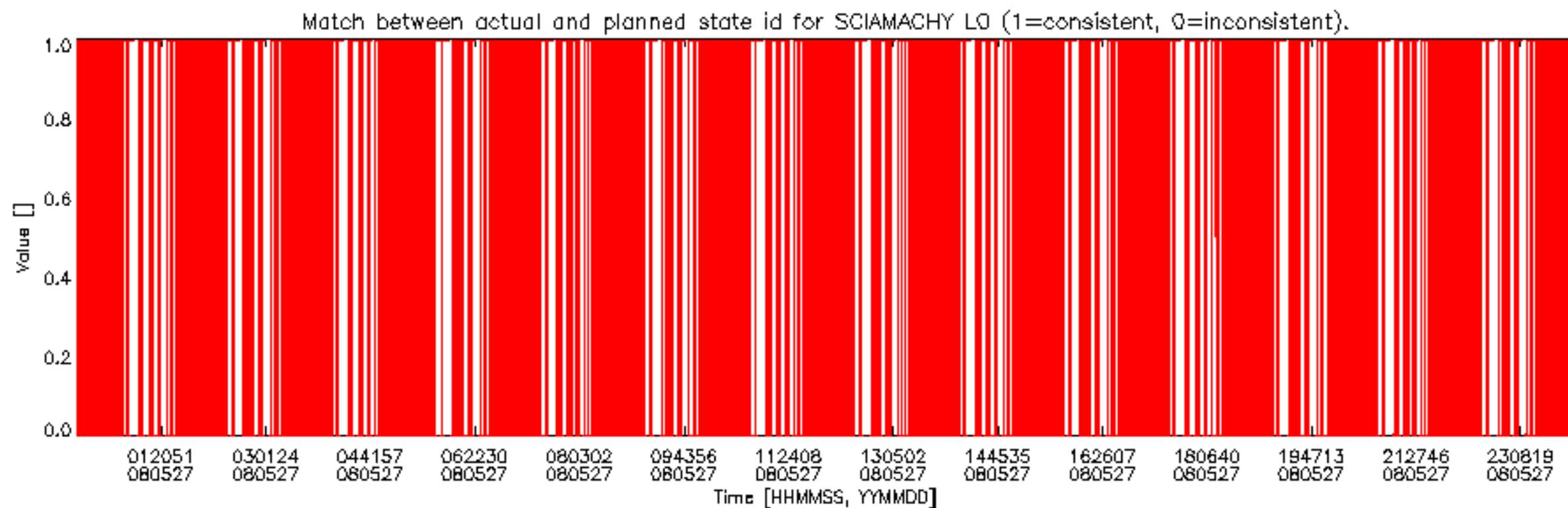
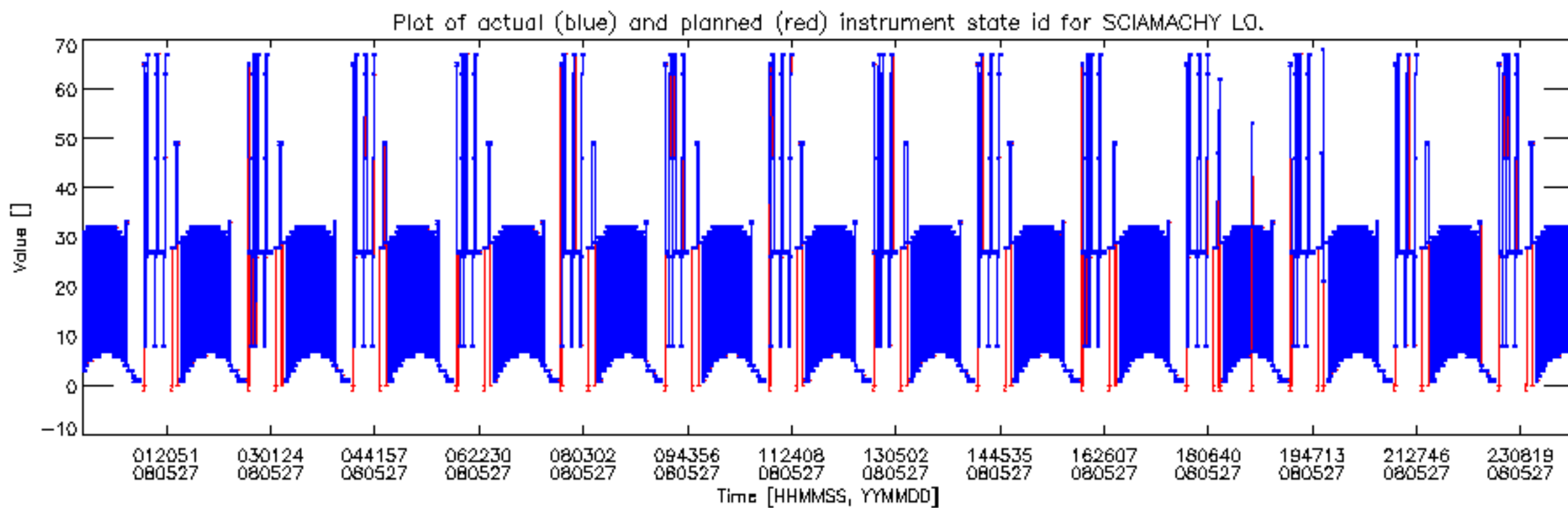












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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