

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	09JUN2008 16:18:57
Data source version	KSPT_L0/4303-N
Processing scope for products	05JUN2008 00:00:00 to 06JUN2008 00:00:00
Start time of first product within scope	04JUN2008 23:44:00
Stop time of last product within scope	06JUN2008 00:54:57
Total number of level 0 products	16
Number of level 0 products with errors	0

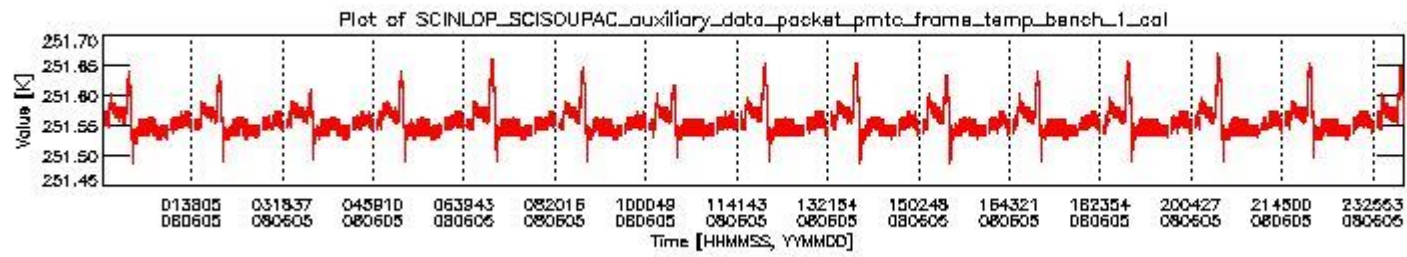
0.1.2 Summary per product

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

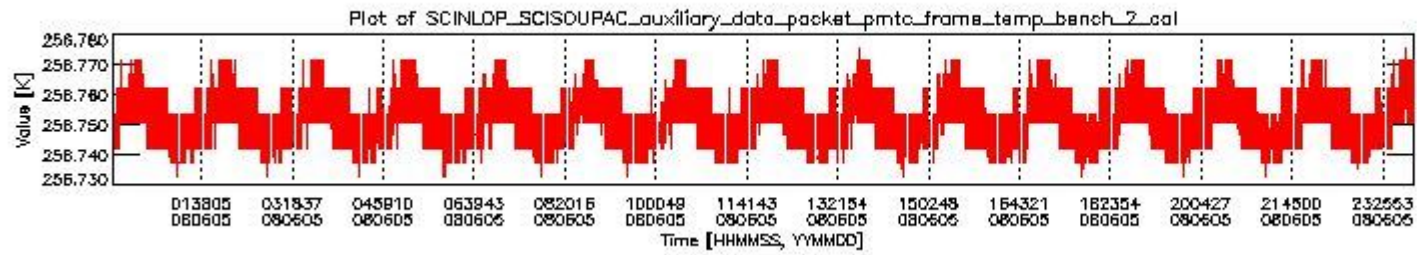
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080604_234400_000060282069_00130_32749_6904.N1	04JUN2008 23:44:00	05JUN2008 01:24:28	0	0	0	0	0
1	SCI_NL__OPNPDE20080605_012355_000046962069_00131_32750_6905.N1	05JUN2008 01:23:55	05JUN2008 02:42:10	0	0	0	0	0
2	SCI_NL__OPNPDE20080605_024102_000059112069_00132_32751_6906.N1	05JUN2008 02:41:02	05JUN2008 04:19:33	0	0	0	0	0
3	SCI_NL__OPNPDE20080605_041933_000060922069_00133_32752_6907.N1	05JUN2008 04:19:33	05JUN2008 06:01:05	0	0	0	0	0
4	SCI_NL__OPNPDK20080605_060009_000041142069_00134_32753_8402.N1	05JUN2008 06:00:09	05JUN2008 07:08:42	0	0	0	0	0
5	SCI_NL__OPNPDK20080605_070734_000061602069_00135_32754_8403.N1	05JUN2008 07:07:34	05JUN2008 08:50:14	0	0	0	0	0
6	SCI_NL__OPNPDK20080605_085014_000059802069_00136_32755_8404.N1	05JUN2008 08:50:14	05JUN2008 10:29:54	0	0	0	0	0
7	SCI_NL__OPNPDK20080605_102845_000059672069_00137_32756_8405.N1	05JUN2008 10:28:45	05JUN2008 12:08:13	0	0	0	0	0
8	SCI_NL__OPNPDK20080605_120813_000059802069_00138_32757_8406.N1	05JUN2008 12:08:13	05JUN2008 13:47:52	0	0	0	0	0
9	SCI_NL__OPNPDK20080605_134657_000058992069_00139_32758_8407.N1	05JUN2008 13:46:57	05JUN2008 15:25:15	0	0	0	0	0
10	SCI_NL__OPNPDK20080605_152515_000059242069_00140_32759_8408.N1	05JUN2008 15:25:15	05JUN2008 17:03:59	0	0	0	0	0
11	SCI_NL__OPNPDK20080605_170251_000059262069_00141_32760_8409.N1	05JUN2008 17:02:51	05JUN2008 18:41:37	0	0	0	0	0
12	SCI_NL__OPNPDK20080605_184029_000061042069_00142_32761_8410.N1	05JUN2008 18:40:29	05JUN2008 20:22:13	0	0	0	0	0
13	SCI_NL__OPNPDE20080605_202009_000042892069_00143_32762_6908.N1	05JUN2008 20:20:09	05JUN2008 21:31:38	0	0	0	0	0
14	SCI_NL__OPNPDE20080605_213104_000061652069_00143_32762_6909.N1	05JUN2008 21:31:04	05JUN2008 23:13:49	0	0	0	0	0
15	SCI_NL__OPNPDE20080605_231221_000061552069_00144_32763_6910.N1	05JUN2008 23:12:21	06JUN2008 00:54:57	0	0	0	0	0

0.2 Product Quality Indicators

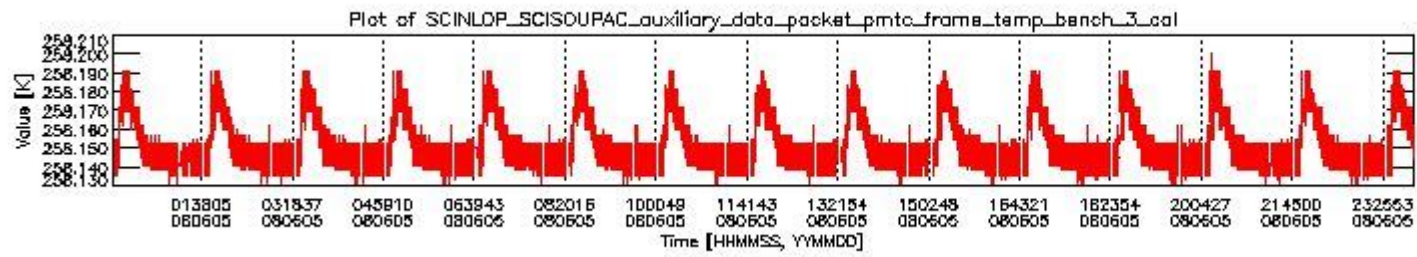
This section shows information about product quality, currently temperatures.



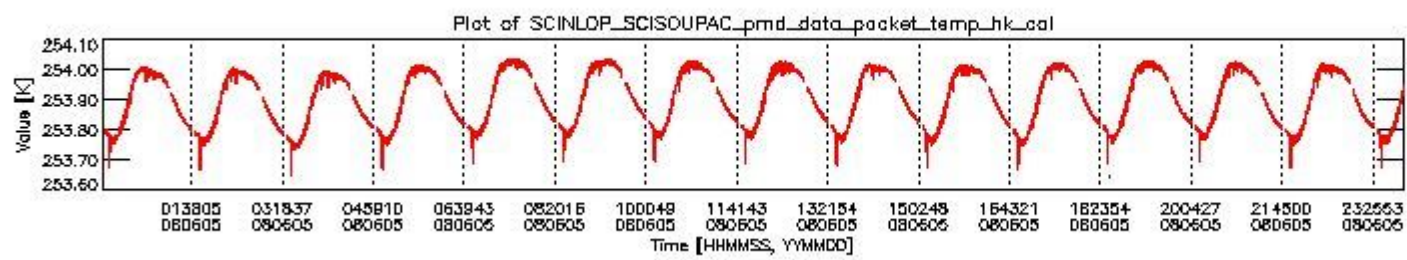
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080605_0.PNG



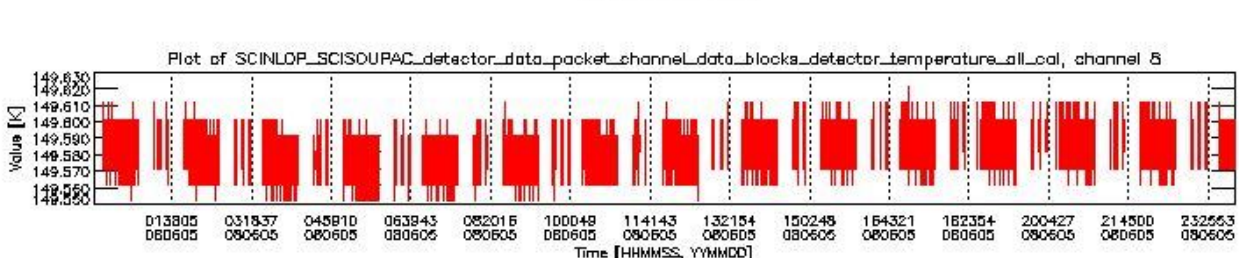
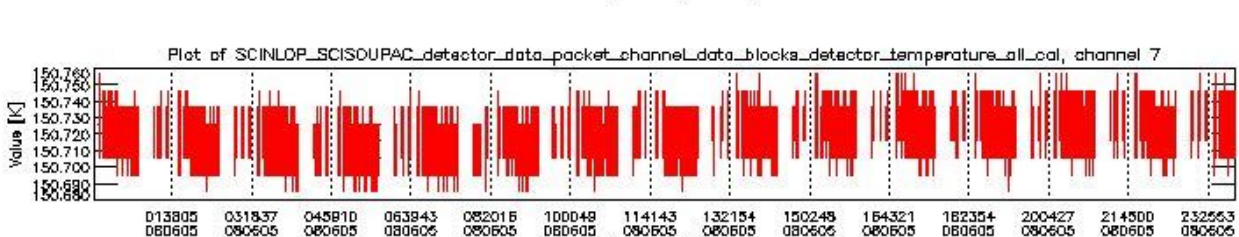
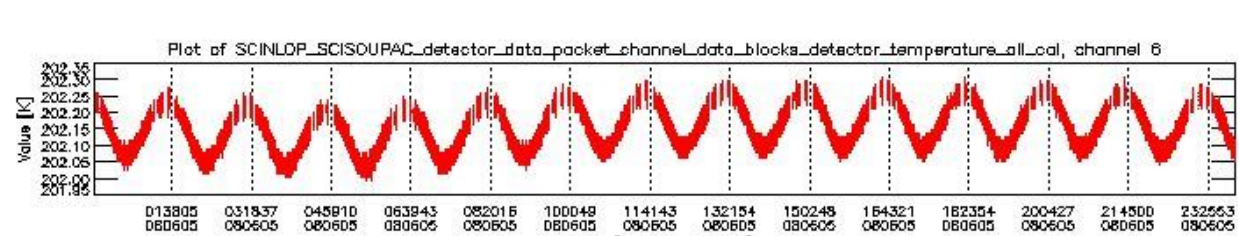
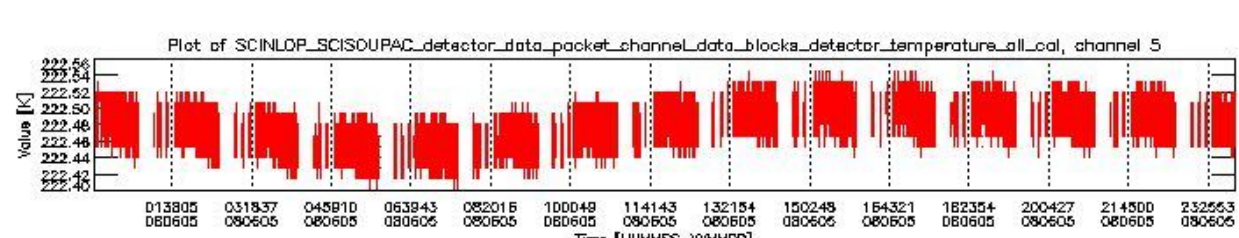
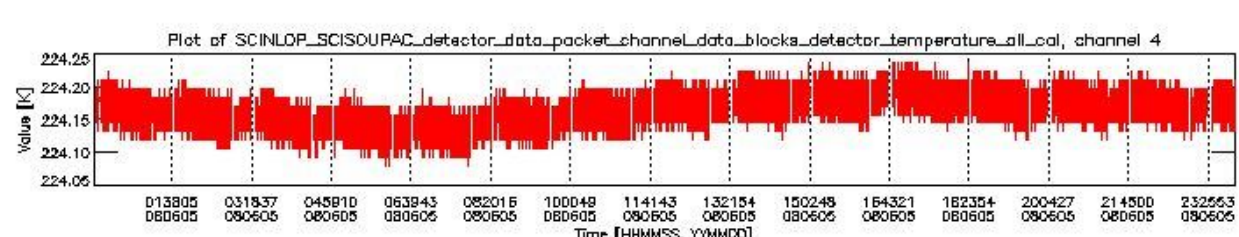
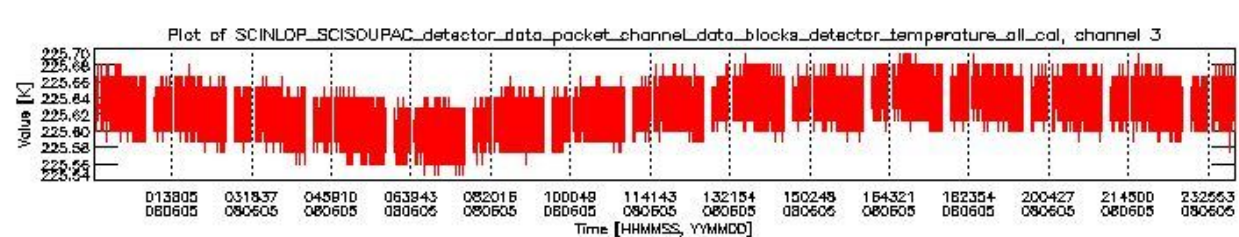
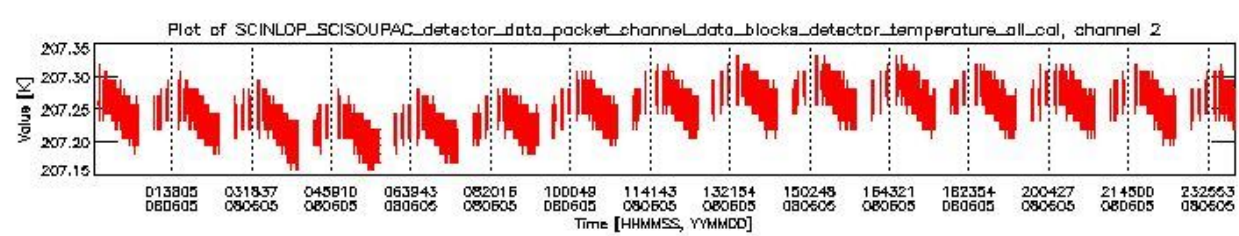
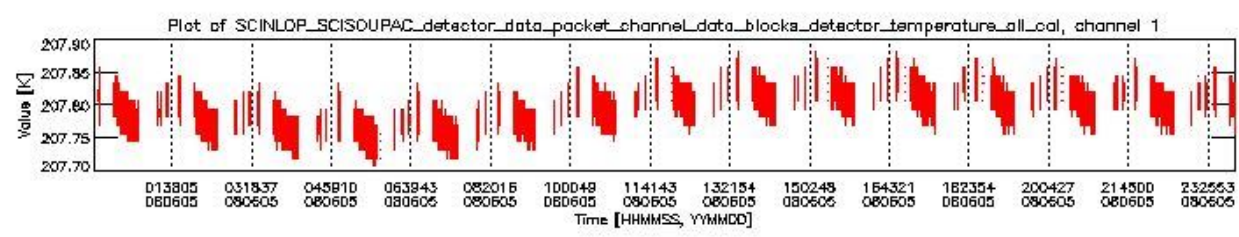
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080605_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080605_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080605_3.PNG

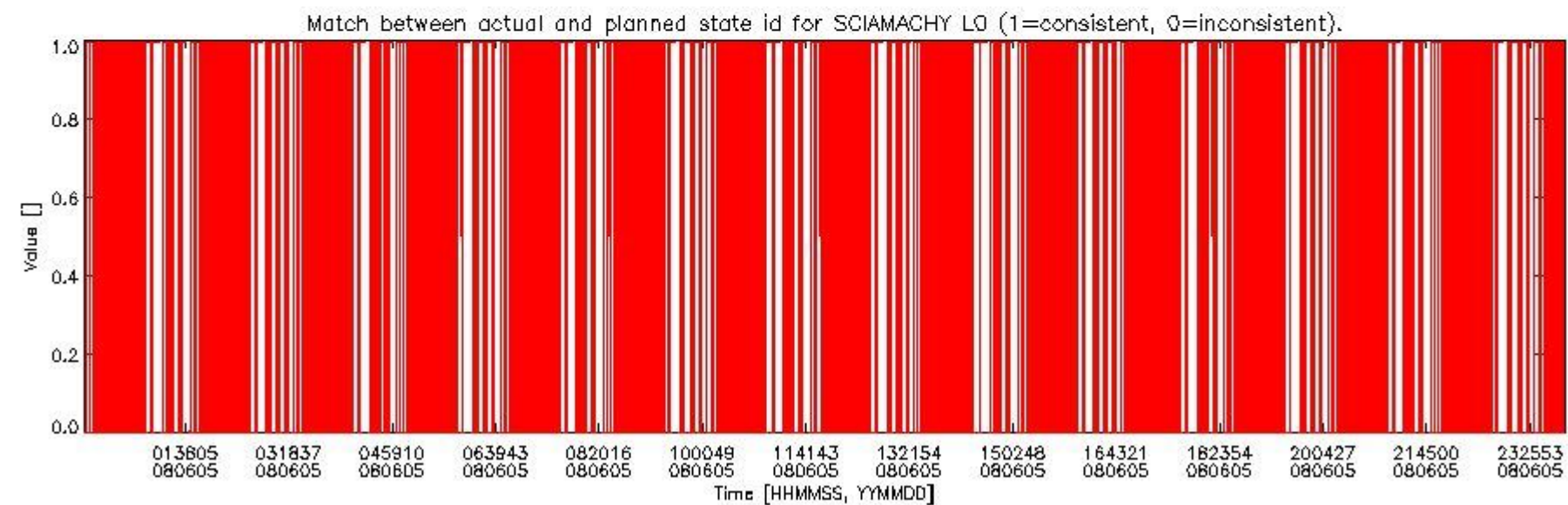
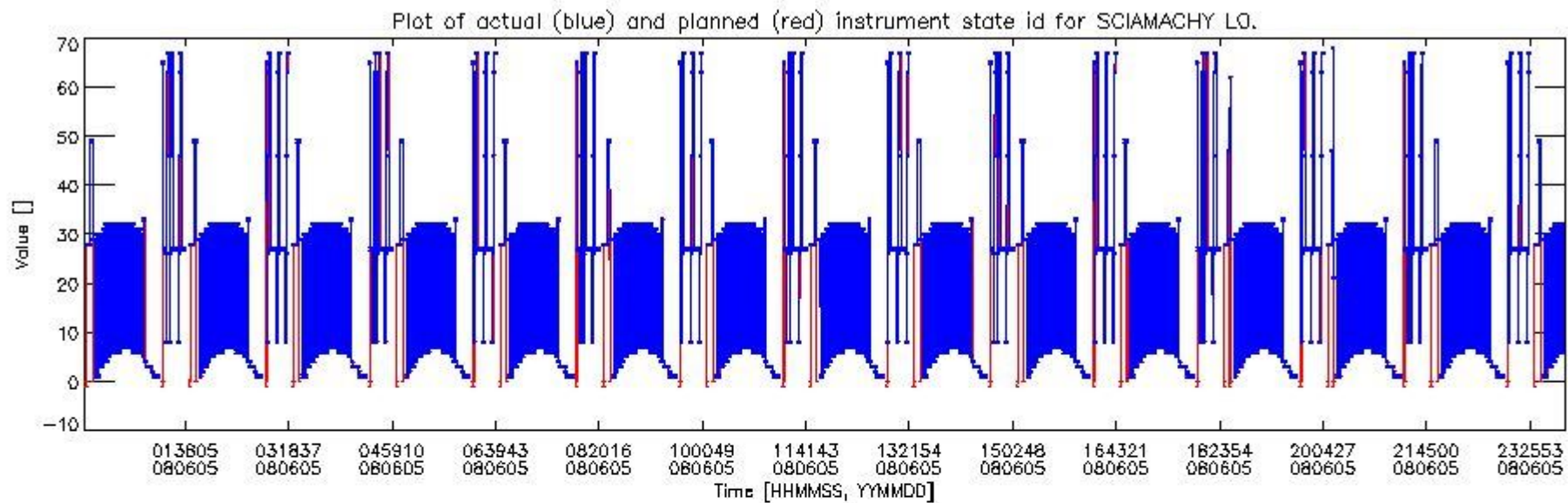


0.3 State monitoring

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: **34490**

#	Actual time	Actual value	Planned time	Planned value
0	05JUN2008 00:01:50.083129	28	05JUN2008 00:01:50.083129	0
1	05JUN2008 00:01:50.708110	28	05JUN2008 00:01:50.708110	0
2	05JUN2008 00:01:51.083123	28	05JUN2008 00:01:51.083123	0
3	05JUN2008 00:01:51.458096	28	05JUN2008 00:01:51.458096	0
4	05JUN2008 00:01:52.020595	28	05JUN2008 00:01:52.020595	0
5	05JUN2008 00:01:52.395608	28	05JUN2008 00:01:52.395608	0
6	05JUN2008 00:01:52.770621	28	05JUN2008 00:01:52.770621	0
7	05JUN2008 00:01:53.145594	28	05JUN2008 00:01:53.145594	0
8	05JUN2008 00:01:53.708094	28	05JUN2008 00:01:53.708094	0
9	05JUN2008 00:01:54.083107	28	05JUN2008 00:01:54.083107	0
10	05JUN2008 00:01:54.458120	28	05JUN2008 00:01:54.458120	0
11	05JUN2008 00:01:54.833093	28	05JUN2008 00:01:54.833093	0
12	05JUN2008 00:01:55.083101	28	05JUN2008 00:01:55.083101	0
13	05JUN2008 00:01:55.395592	28	05JUN2008 00:01:55.395592	0
14	05JUN2008 00:01:55.770605	28	05JUN2008 00:01:55.770605	0
15	05JUN2008 00:01:56.145618	28	05JUN2008 00:01:56.145618	0
16	05JUN2008 00:01:56.520591	28	05JUN2008 00:01:56.520591	0
17	05JUN2008 00:01:57.083091	28	05JUN2008 00:01:57.083091	0
18	05JUN2008 00:01:57.458104	28	05JUN2008 00:01:57.458104	0
19	05JUN2008 00:05:34.594846	49	05JUN2008 00:05:34.594846	28
...

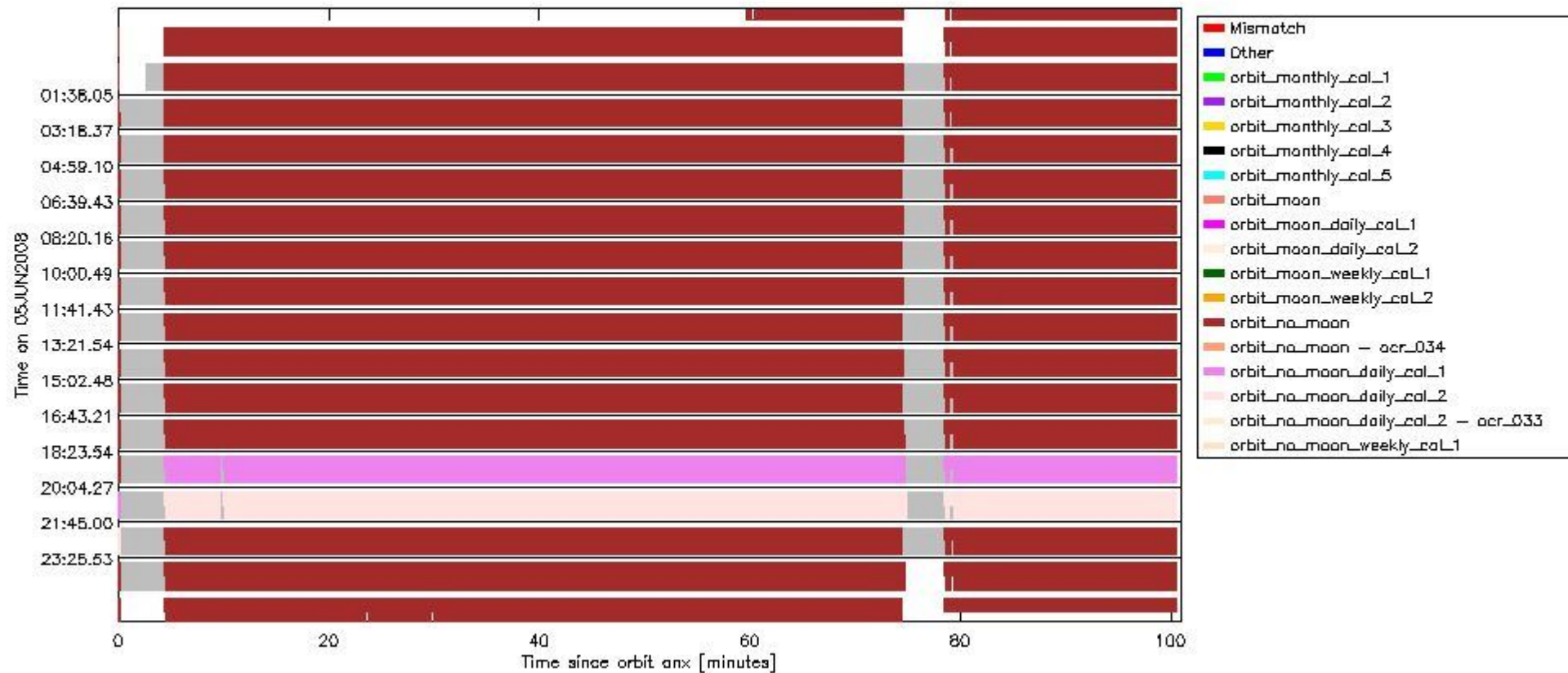


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080605_5.PNG

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 Q5JUN2008.
 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_20080605_6.PNG

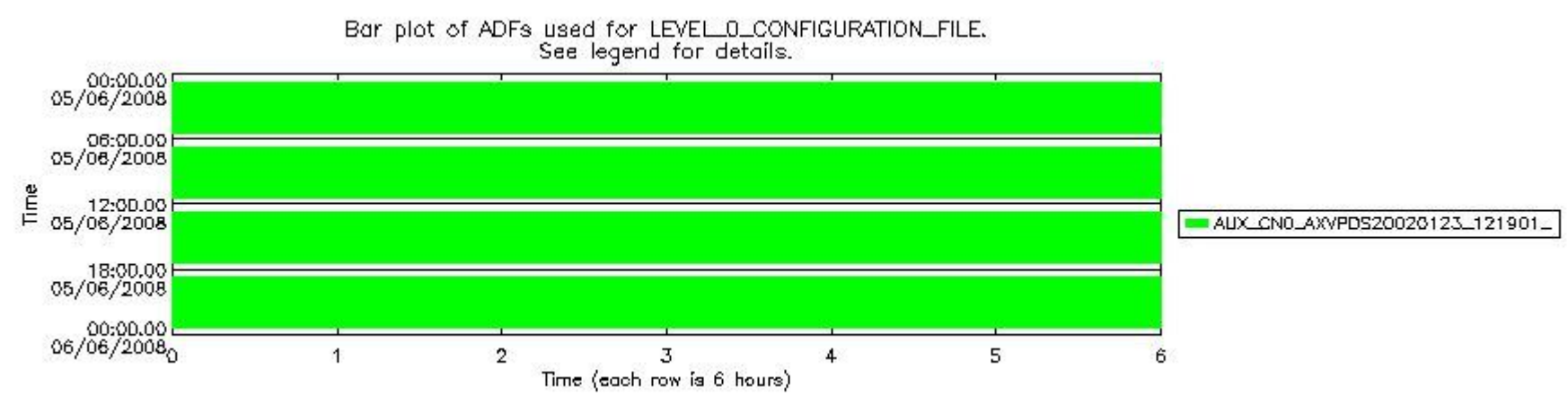
0.4 ADF monitoring

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

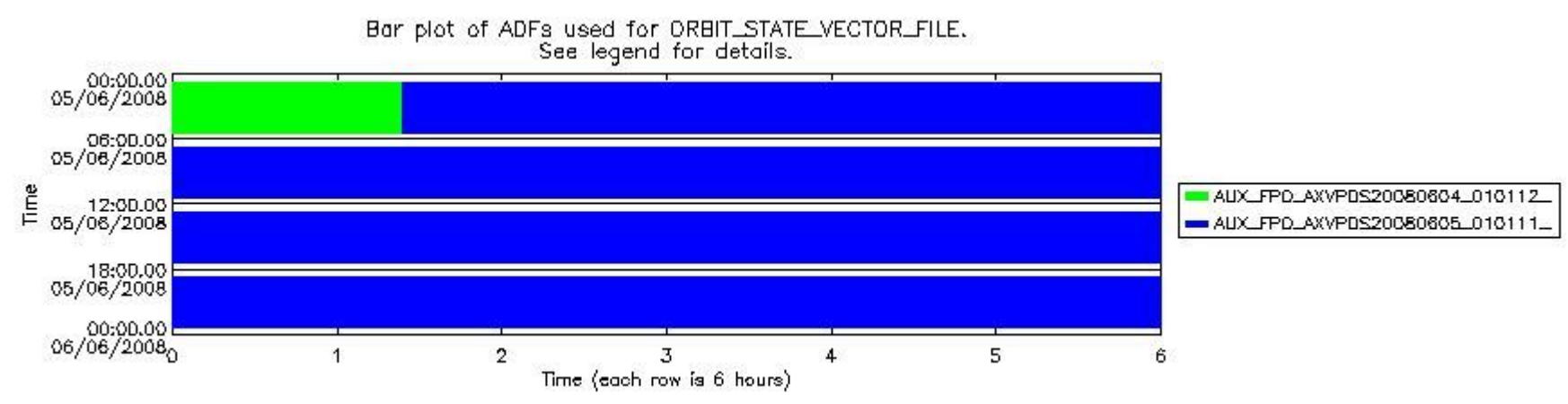
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

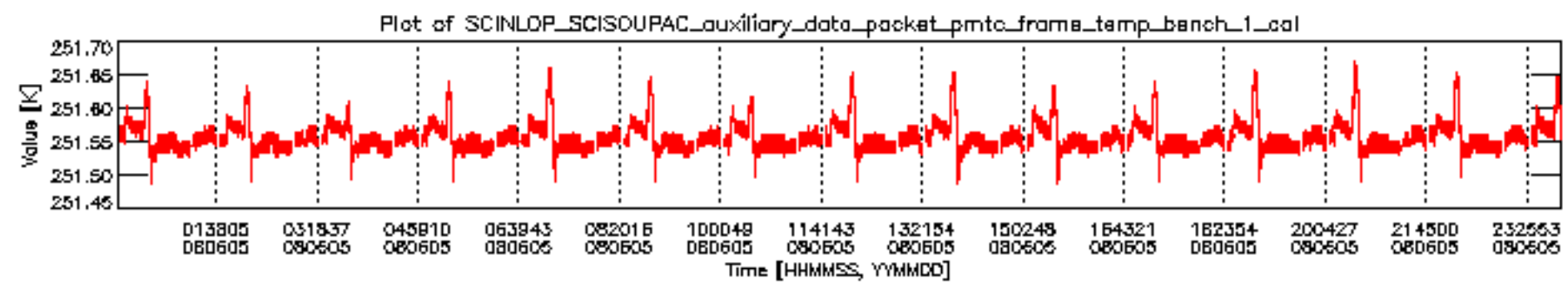
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080604_010112_20080603_192710_20080613_205324
2	AUX_FPO_AXVPDS20080605_010111_20080604_185533_20080614_202147

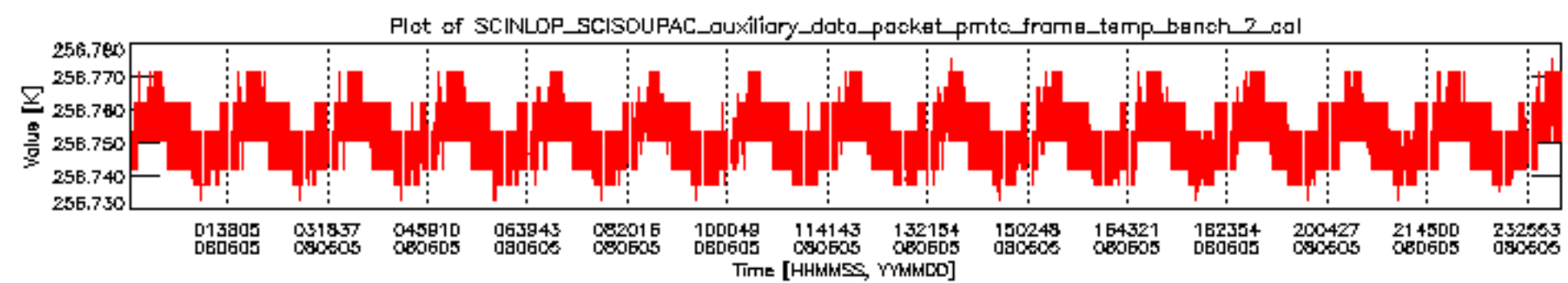


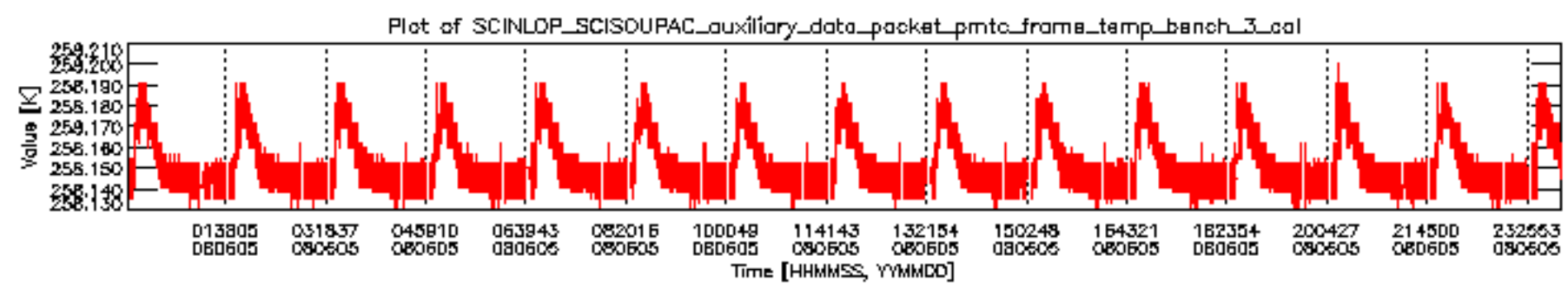
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080605_7.PNG

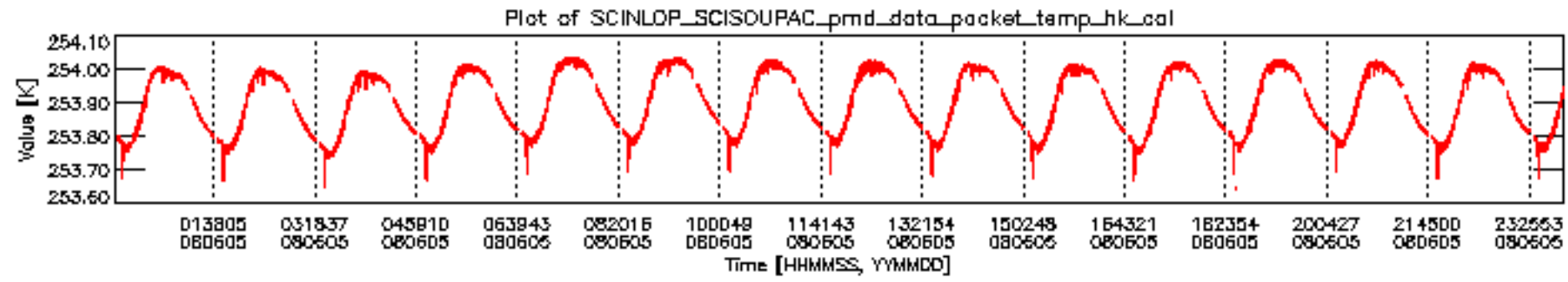


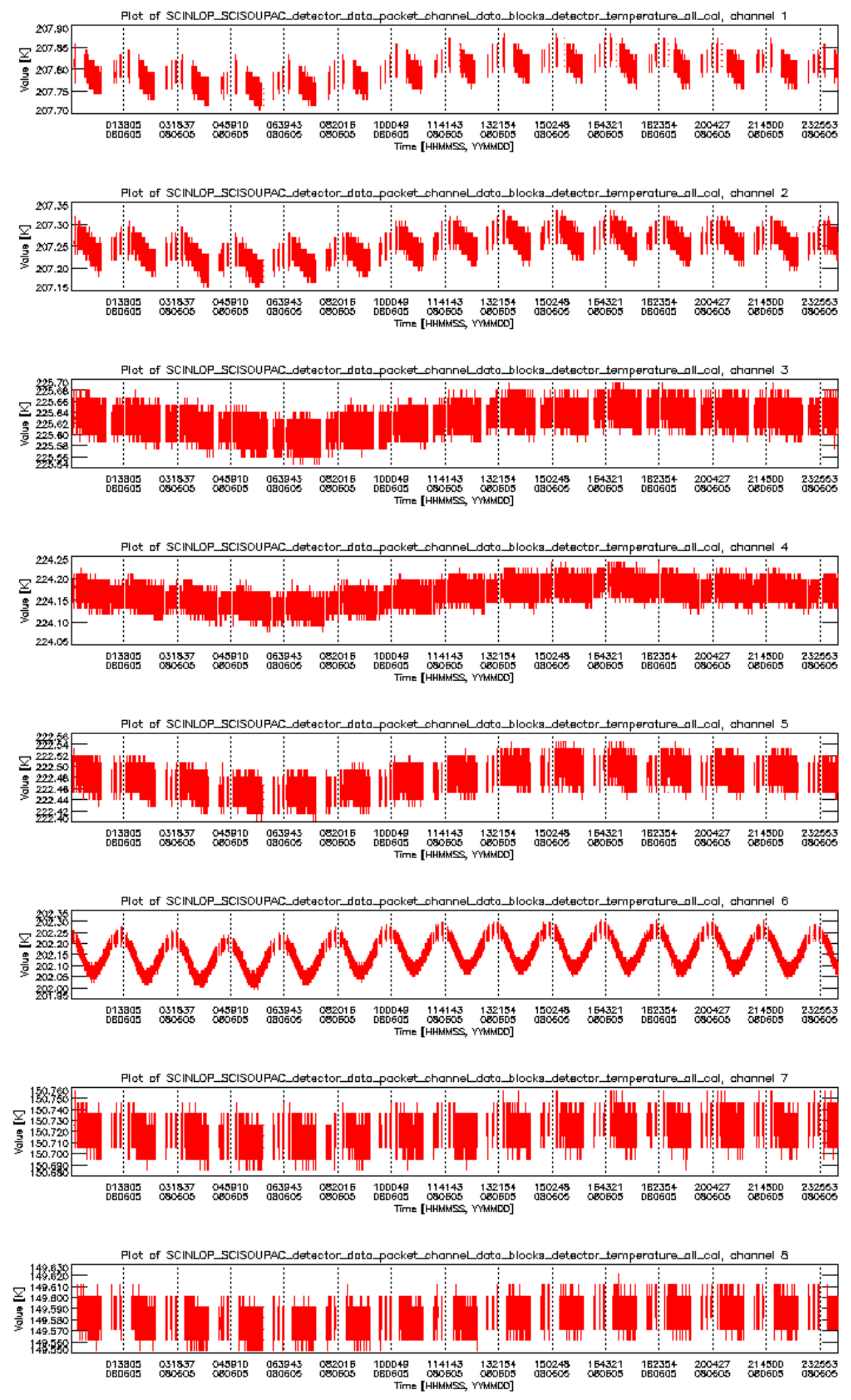
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080605_8.PNG

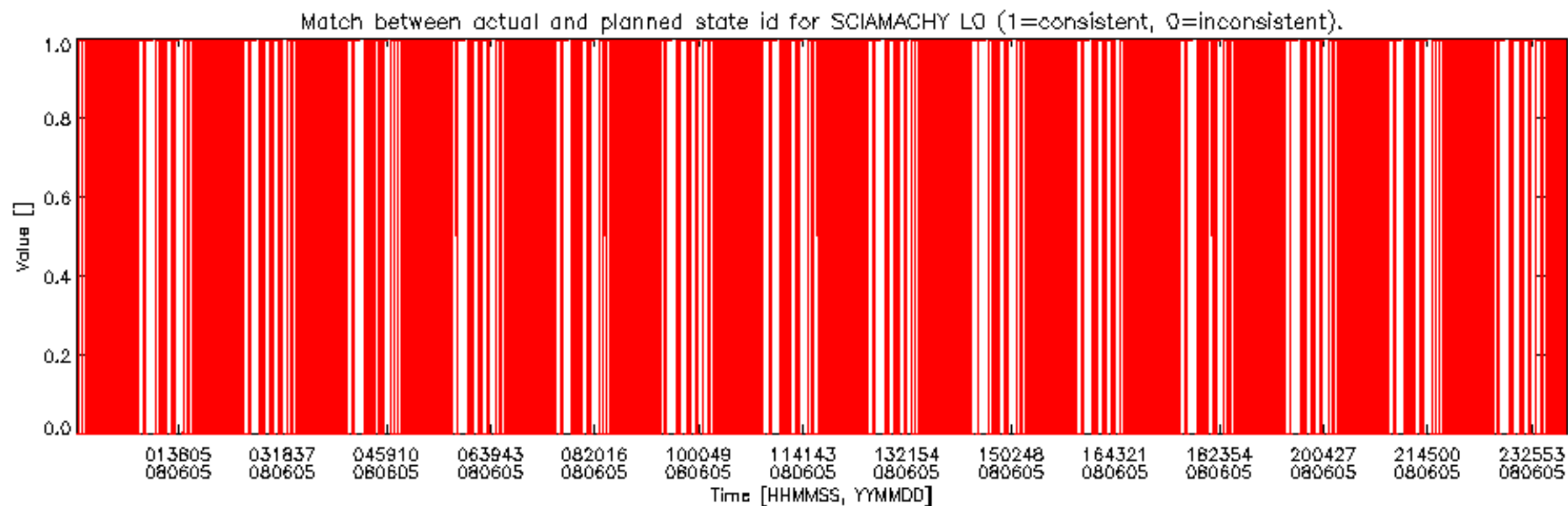
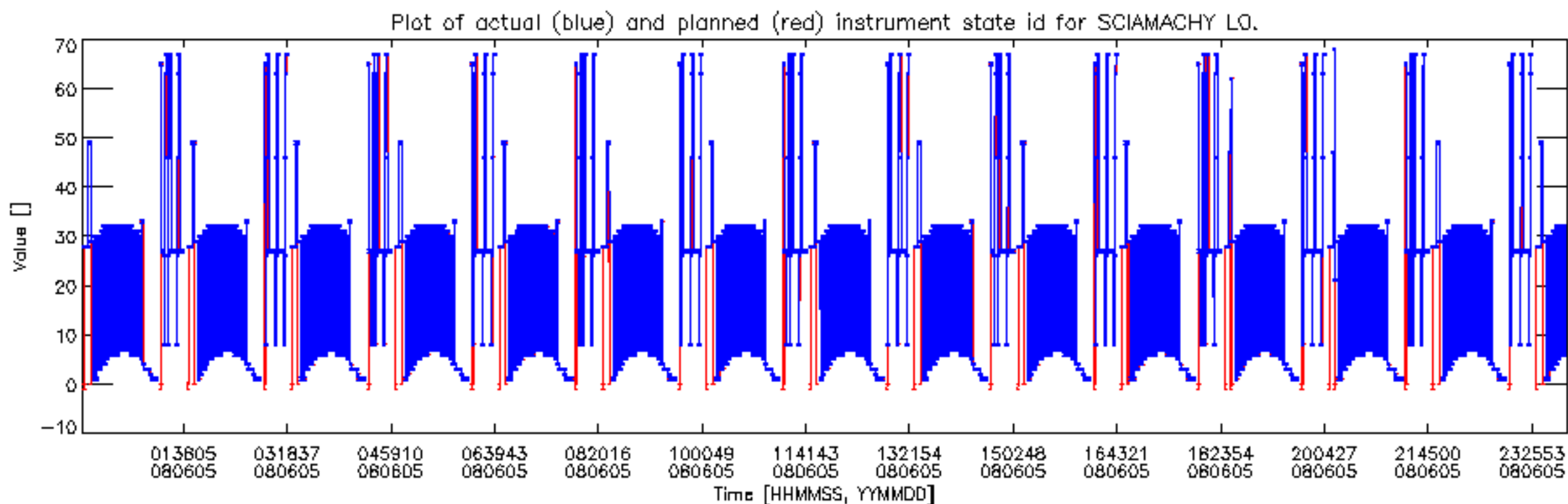












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 05JUN2008.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

