

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	30APR2008 05:38:32
Data source version	KSPT_L0/4303-N
Processing scope for products	26APR2008 00:00:00 to 27APR2008 00:00:00
Start time of first product within scope	25APR2008 23:03:02
Stop time of last product within scope	27APR2008 00:12:36
Total number of level 0 products	16
Number of level 0 products with errors	0

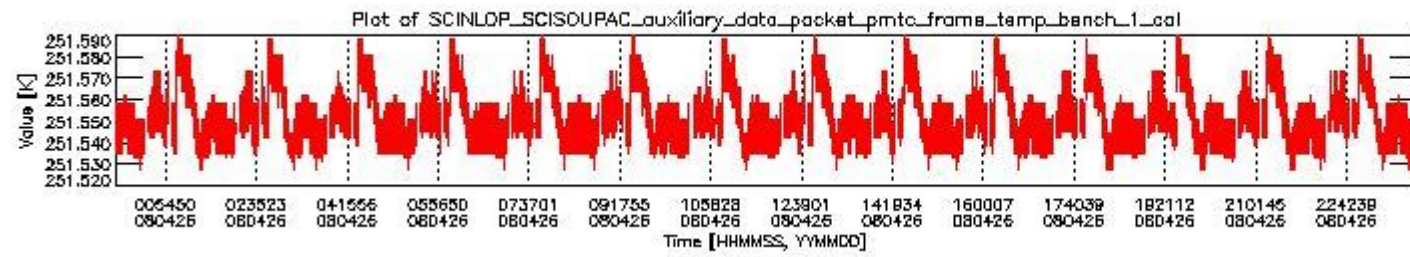
0.1.2 Summary per product

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

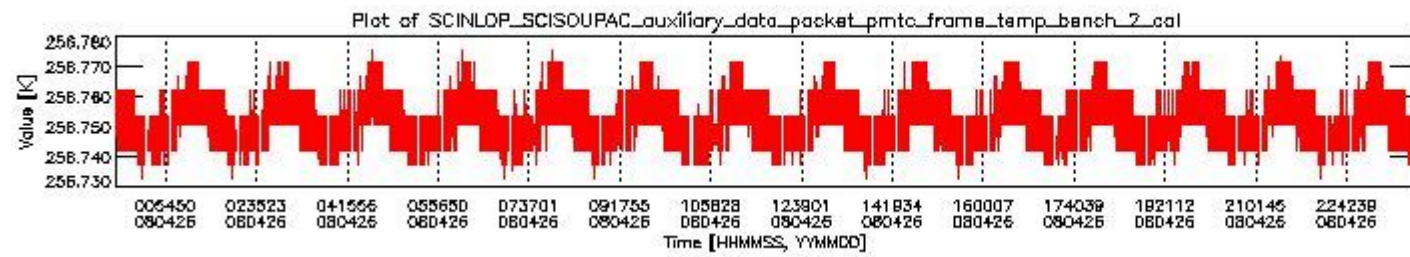
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080425_230302_000060332068_00058_32176_6557.N1	25APR2008 23:03:02	26APR2008 00:43:35	0	0	0	0	0
1	SCI_NL__OPNPDE20080426_004251_000057842068_00059_32177_6558.N1	26APR2008 00:42:51	26APR2008 02:19:15	0	0	0	0	0
2	SCI_NL__OPNPDE20080426_021747_000046692068_00060_32178_6559.N1	26APR2008 02:17:47	26APR2008 03:35:36	0	0	0	0	0
3	SCI_NL__OPNPDE20080426_033440_000061602068_00061_32179_6560.N1	26APR2008 03:34:40	26APR2008 05:17:20	0	0	0	0	0
4	SCI_NL__OPNPDE20080426_051624_000060922068_00062_32180_6561.N1	26APR2008 05:16:24	26APR2008 06:57:56	0	0	0	0	0
5	SCI_NL__OPNPDK20080426_065647_000041132068_00063_32181_8050.N1	26APR2008 06:56:47	26APR2008 08:05:21	0	0	0	0	0
6	SCI_NL__OPNPDK20080426_080425_000062162068_00064_32182_8051.N1	26APR2008 08:04:25	26APR2008 09:48:01	0	0	0	0	0
7	SCI_NL__OPNPDK20080426_094652_000059802068_00065_32183_8052.N1	26APR2008 09:46:52	26APR2008 11:26:32	0	0	0	0	0
8	SCI_NL__OPNPDK20080426_112536_000059672068_00066_32184_8053.N1	26APR2008 11:25:36	26APR2008 13:05:03	0	0	0	0	0
9	SCI_NL__OPNPDK20080426_130354_000059802068_00067_32185_8054.N1	26APR2008 13:03:54	26APR2008 14:43:34	0	0	0	0	0
10	SCI_NL__OPNPDK20080426_144238_000058982068_00068_32186_8055.N1	26APR2008 14:42:38	26APR2008 16:20:57	0	0	0	0	0
11	SCI_NL__OPNPDK20080426_161852_000060262068_00069_32187_8056.N1	26APR2008 16:18:52	26APR2008 17:59:18	0	0	0	0	0
12	SCI_NL__OPNPDK20080426_175714_000060072068_00070_32188_8057.N1	26APR2008 17:57:14	26APR2008 19:37:21	0	0	0	0	0
13	SCI_NL__OPNPDE20080426_193625_000041192068_00071_32189_6562.N1	26APR2008 19:36:25	26APR2008 20:45:04	0	0	0	0	0
14	SCI_NL__OPNPDE20080426_204417_000064222068_00071_32189_6563.N1	26APR2008 20:44:17	26APR2008 22:31:20	0	0	0	0	0
15	SCI_NL__OPNPDE20080426_223032_000061242068_00072_32190_6564.N1	26APR2008 22:30:32	27APR2008 00:12:36	0	0	0	0	0

0.2 Product Quality Indicators

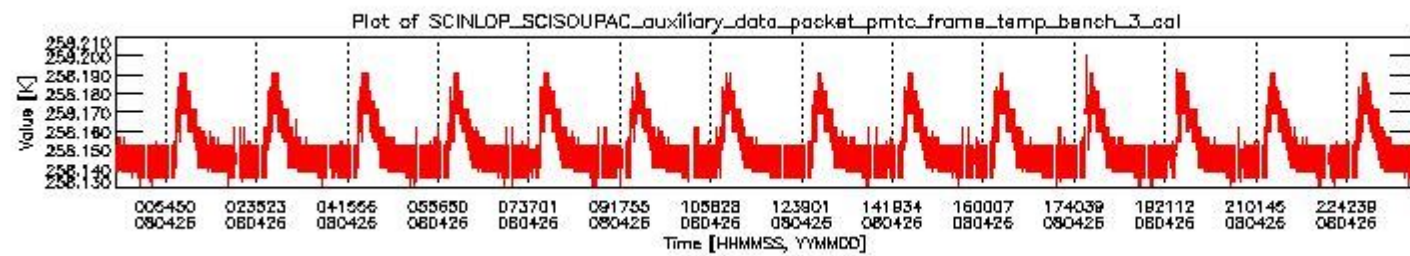
This section shows information about product quality, currently temperatures.



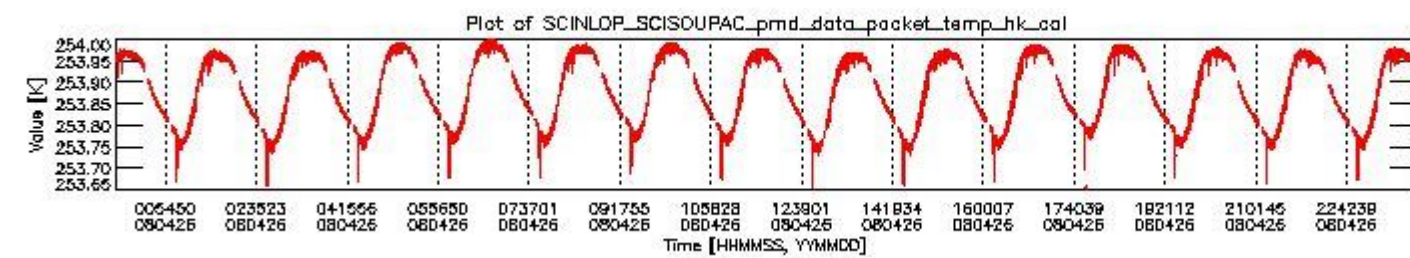
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080426_0.PNG



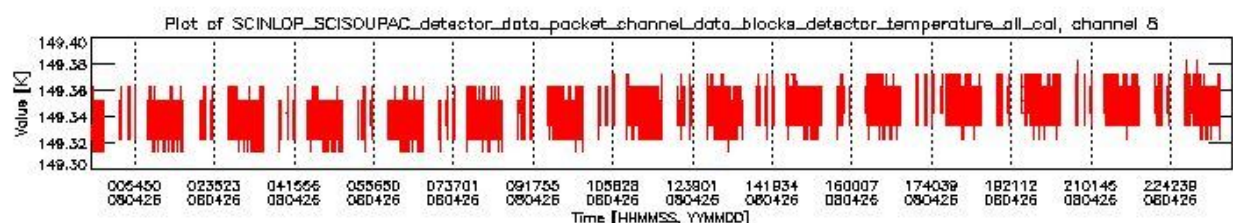
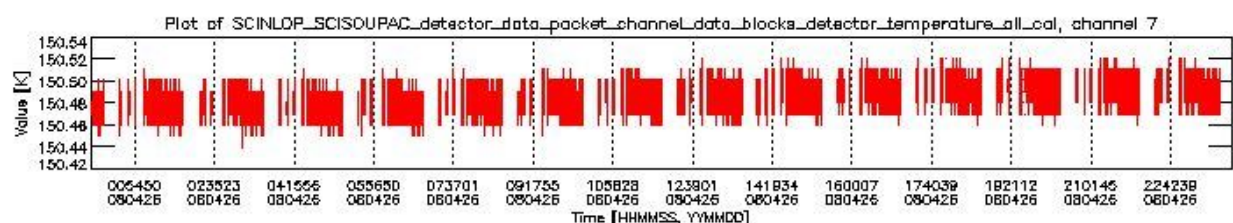
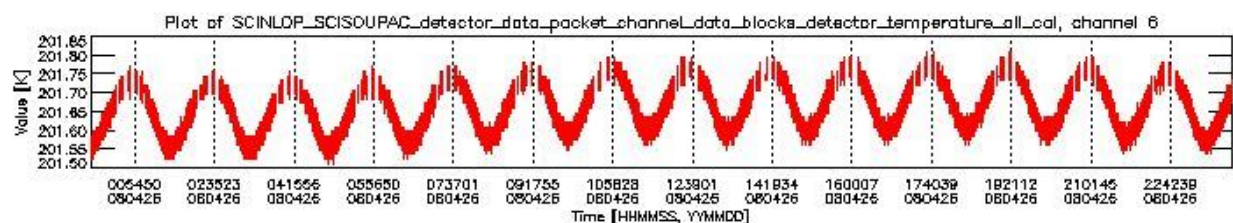
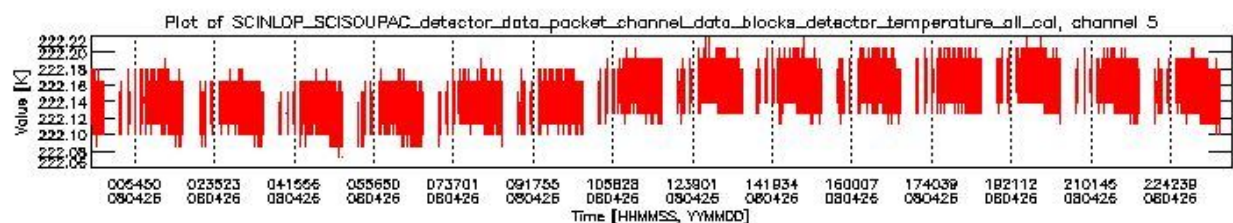
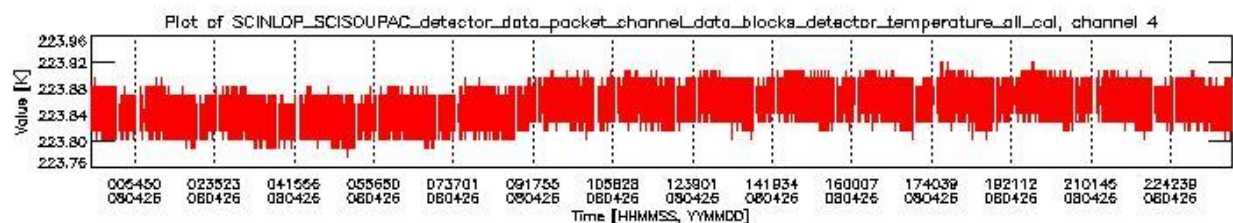
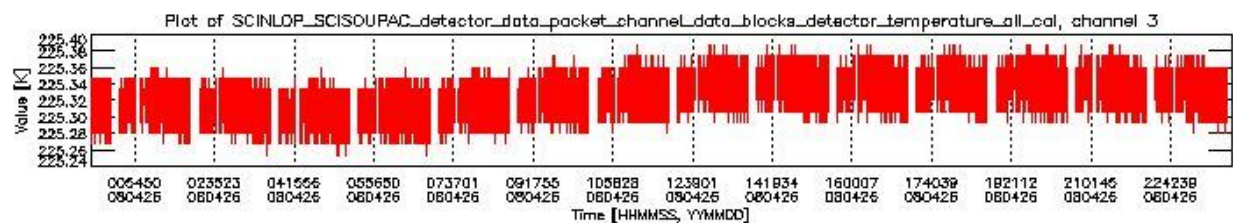
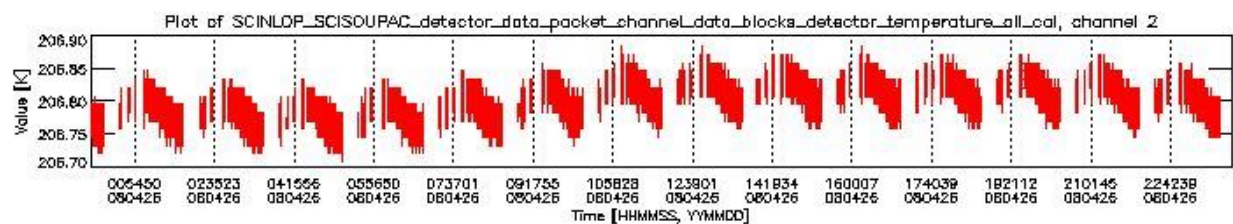
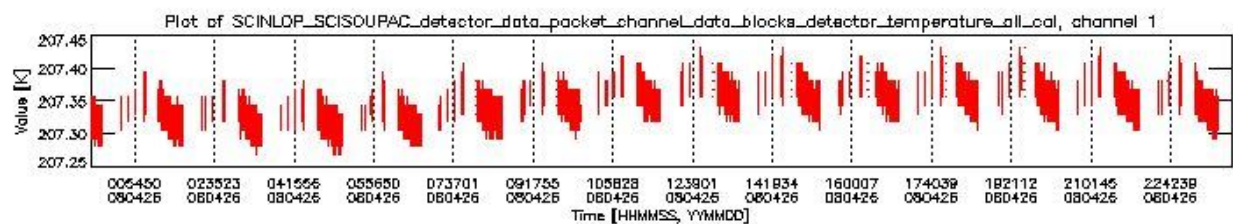
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080426_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080426_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080426_3.PNG

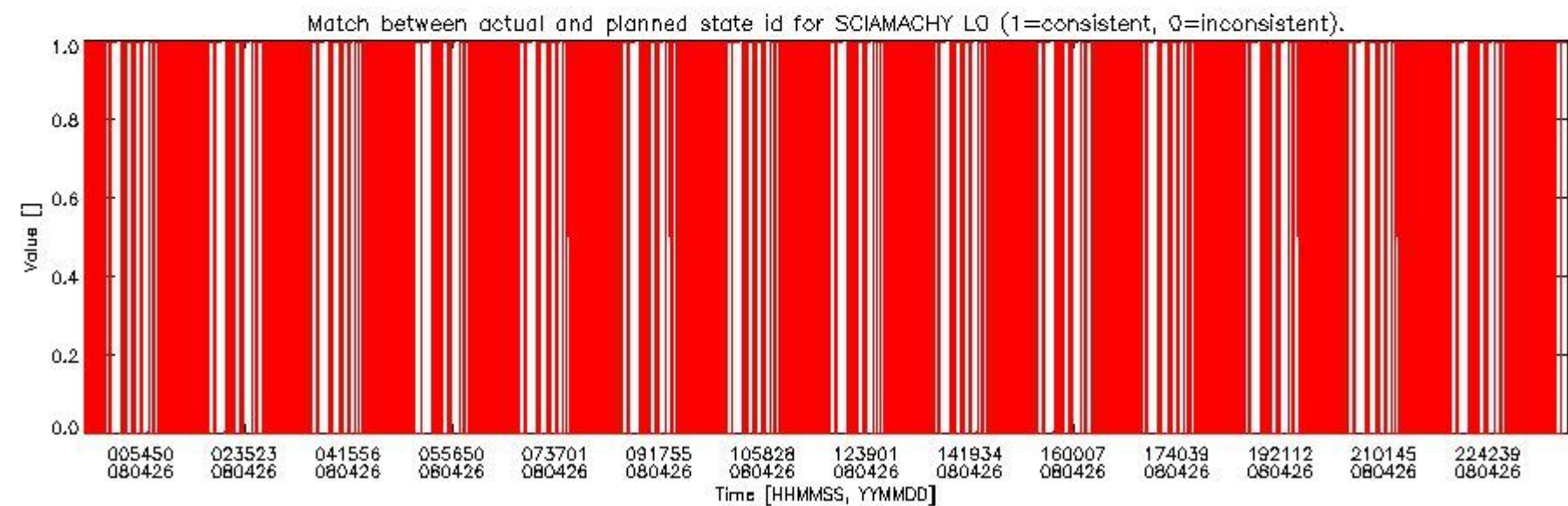
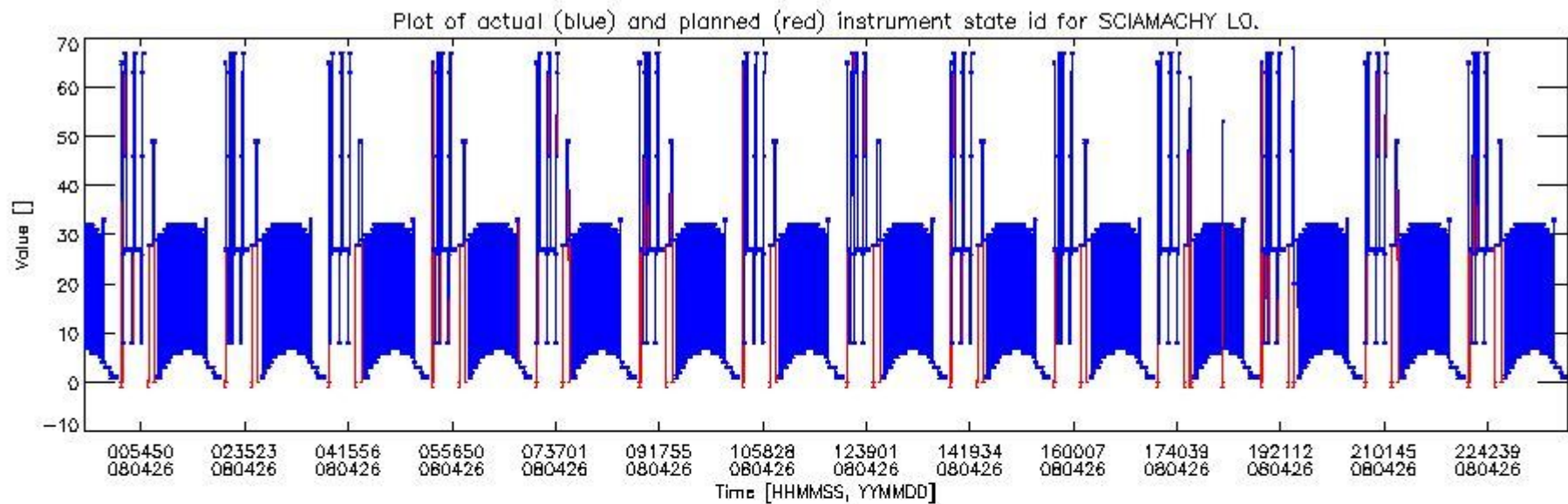


0.3 State monitoring

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: **44490**

#	Actual time	Actual value	Planned time	Planned value
0	26APR2008 00:00:00.134701	7	26APR2008 00:00:00.134701	32
1	26APR2008 00:00:00.384669	7	26APR2008 00:00:00.384669	32
2	26APR2008 00:00:00.634678	7	26APR2008 00:00:00.634678	32
3	26APR2008 00:00:00.884686	7	26APR2008 00:00:00.884686	32
4	26APR2008 00:00:01.134695	7	26APR2008 00:00:01.134695	32
5	26APR2008 00:00:01.384704	7	26APR2008 00:00:01.384704	32
6	26APR2008 00:00:01.634672	7	26APR2008 00:00:01.634672	32
7	26APR2008 00:00:01.884681	7	26APR2008 00:00:01.884681	32
8	26APR2008 00:00:02.134690	7	26APR2008 00:00:02.134690	32
9	26APR2008 00:00:02.384698	7	26APR2008 00:00:02.384698	32
10	26APR2008 00:00:02.634667	7	26APR2008 00:00:02.634667	32
11	26APR2008 00:00:02.884676	7	26APR2008 00:00:02.884676	32
12	26APR2008 00:00:03.134684	7	26APR2008 00:00:03.134684	32
13	26APR2008 00:00:03.384693	7	26APR2008 00:00:03.384693	32
14	26APR2008 00:00:03.634702	7	26APR2008 00:00:03.634702	32
15	26APR2008 00:00:03.884670	7	26APR2008 00:00:03.884670	32
16	26APR2008 00:00:04.134679	7	26APR2008 00:00:04.134679	32
17	26APR2008 00:00:04.384688	7	26APR2008 00:00:04.384688	32
18	26APR2008 00:01:03.072199	32	26APR2008 00:01:03.072199	7
19	26APR2008 00:01:03.697180	32	26APR2008 00:01:03.697180	7

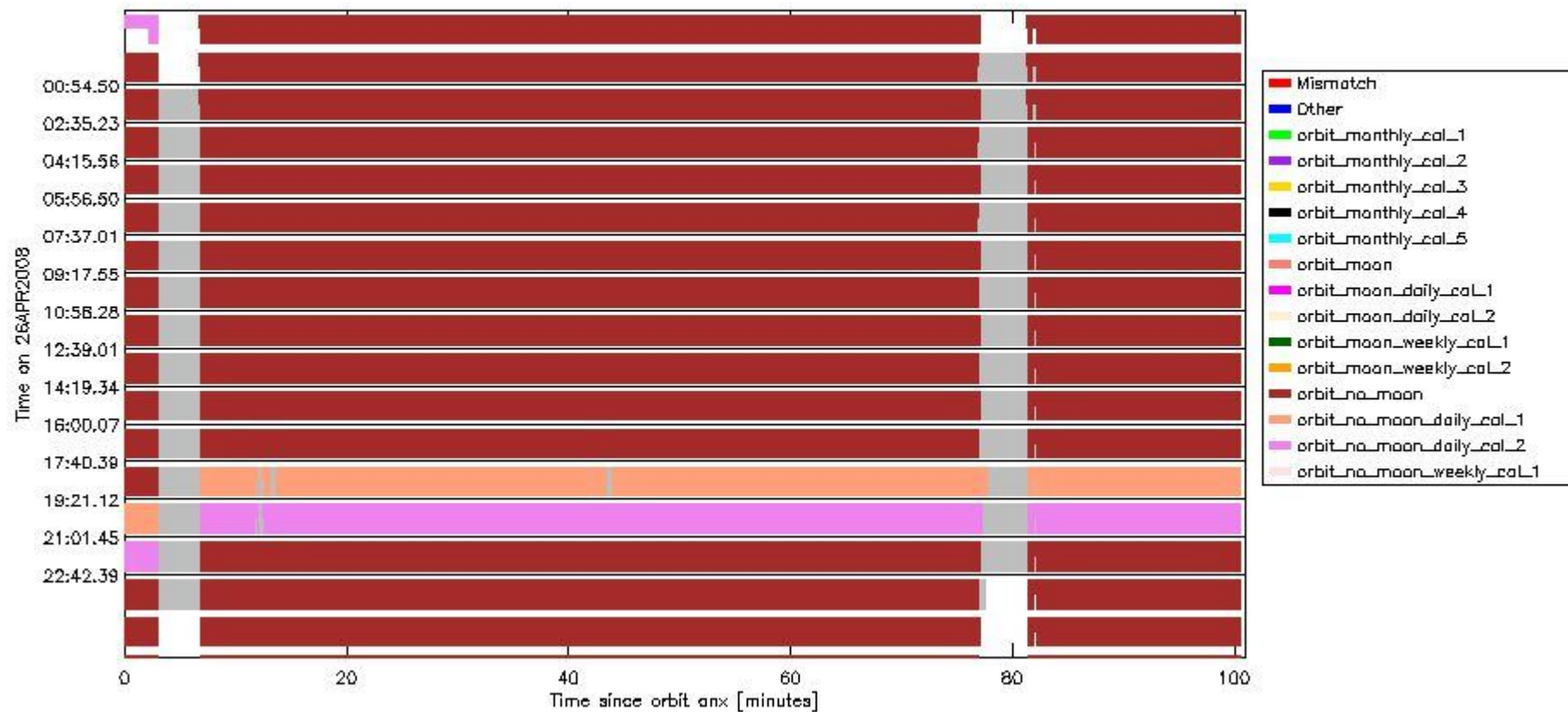


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080426_5.PNG

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 26APR2008.
 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_20080426_6.PNG

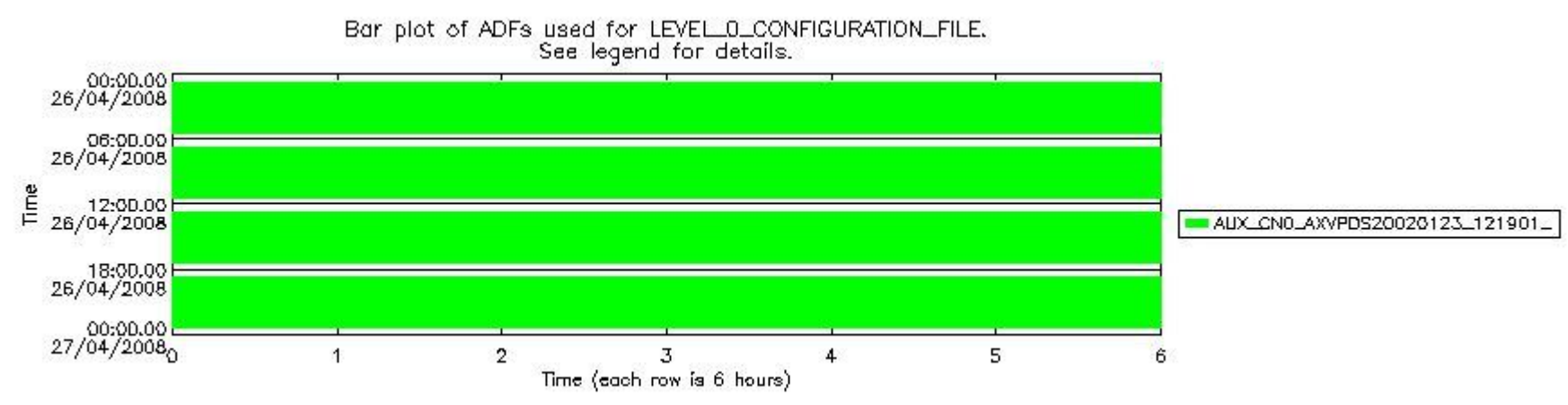
0.4 ADF monitoring

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

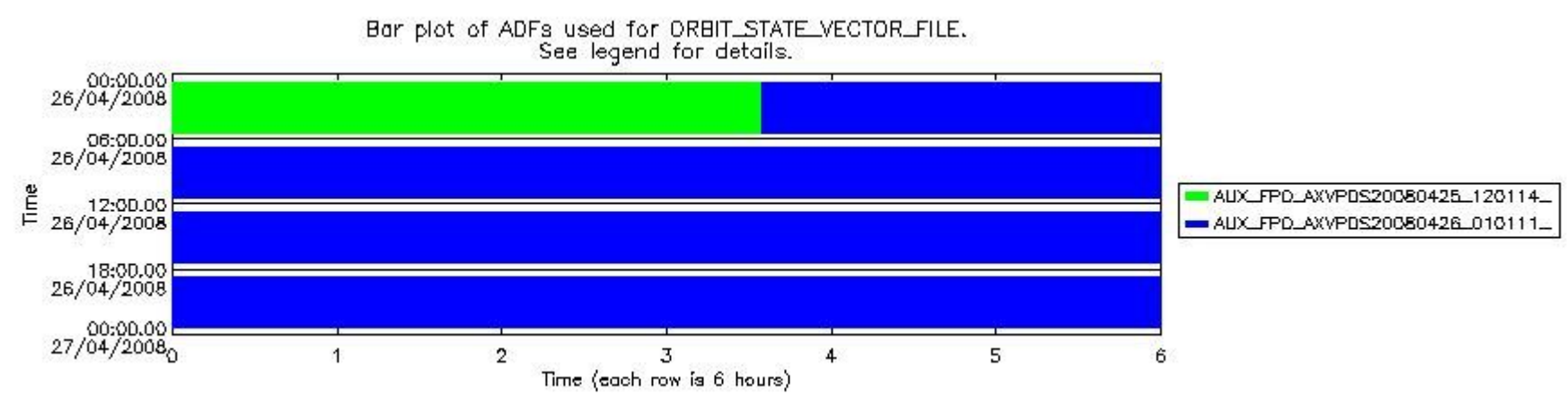
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

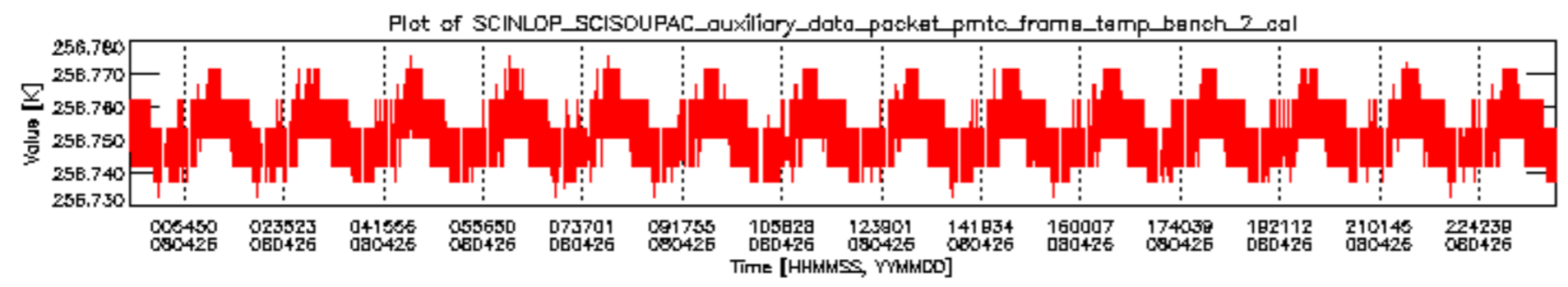
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080425_120114_20080424_184401_20080504_201016
2	AUX_FPO_AXVPDS20080426_010111_20080425_195300_20080505_211915

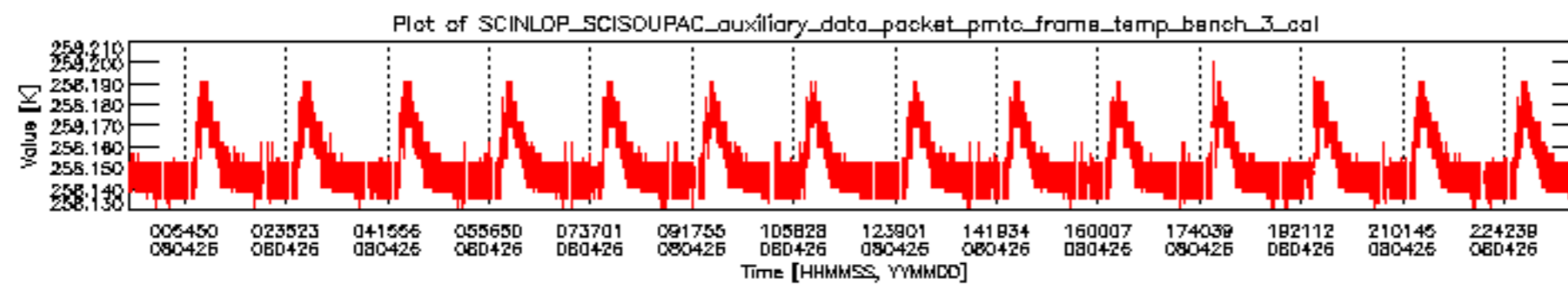


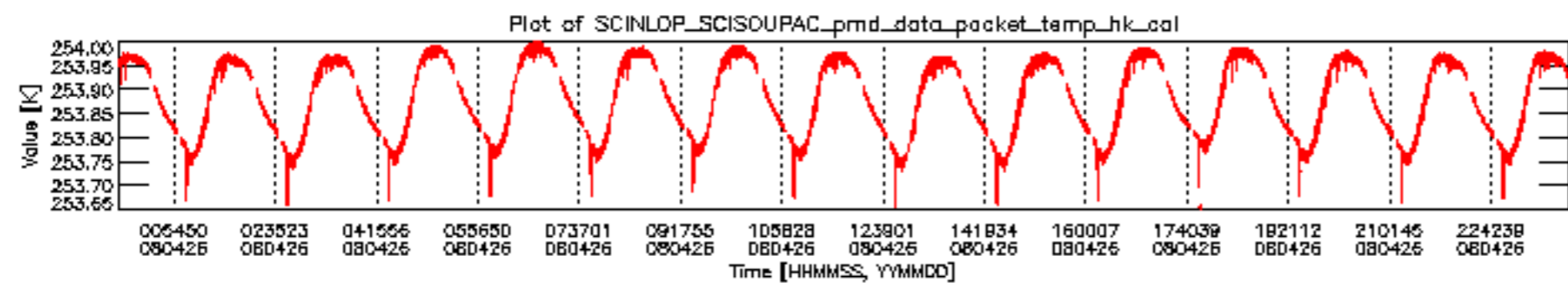
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080426_7.PNG

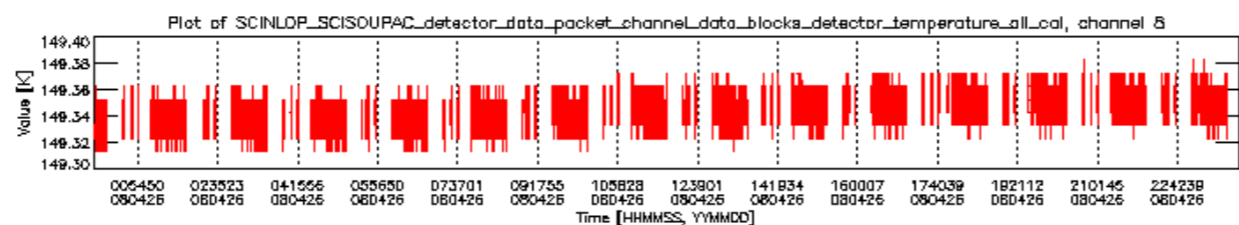
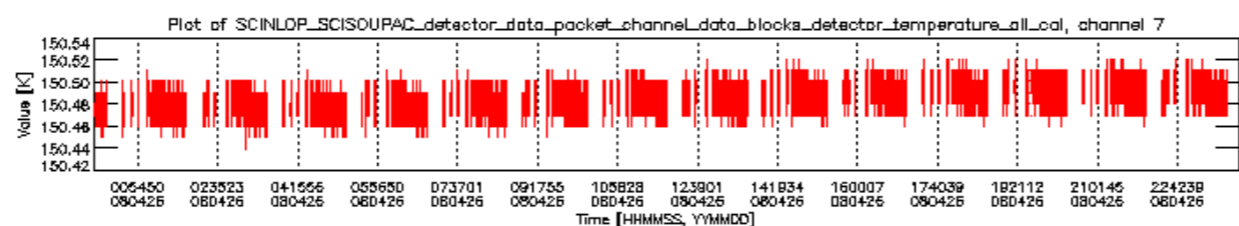
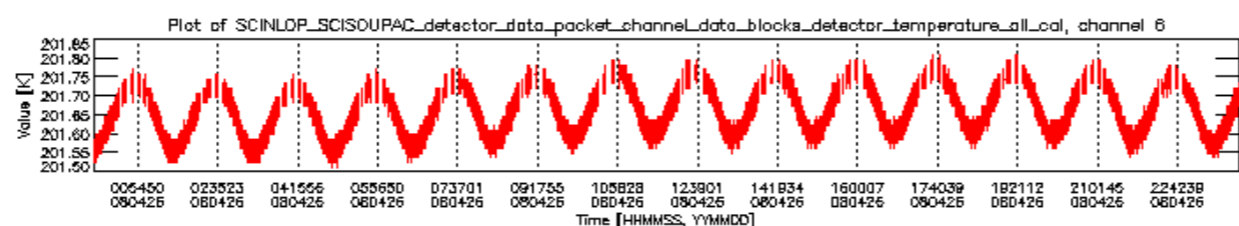
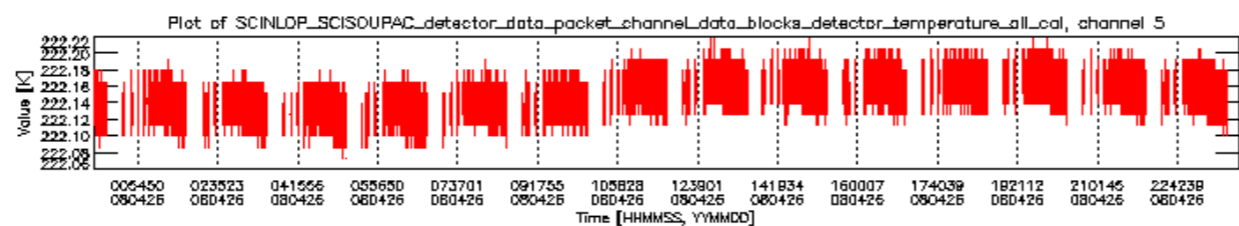
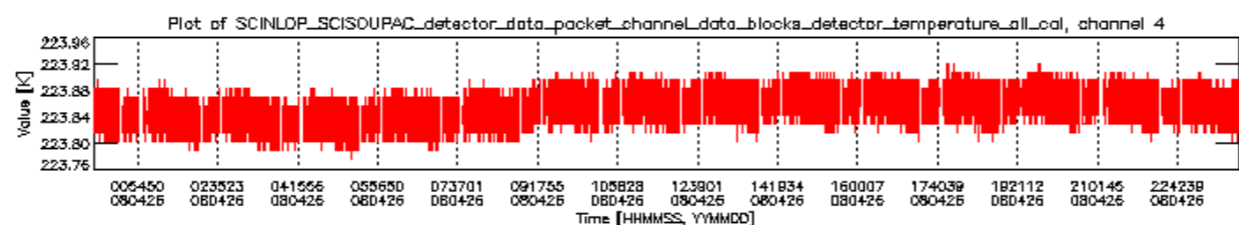
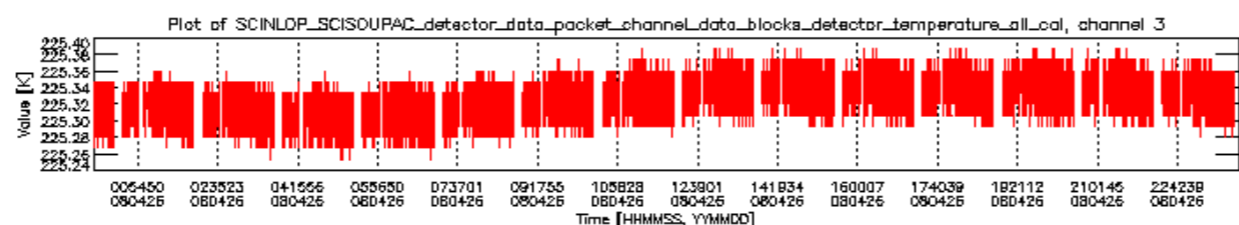
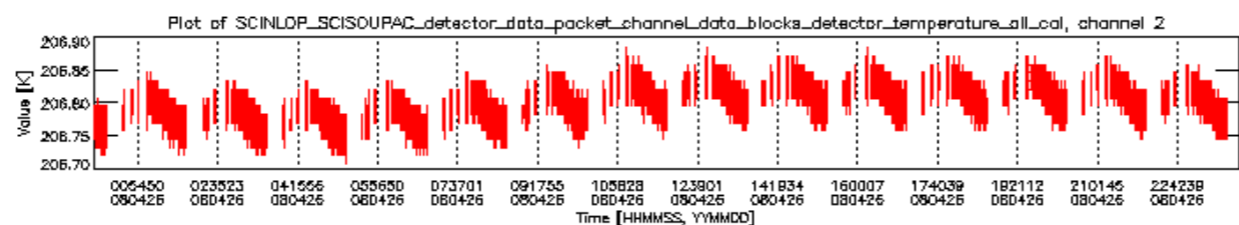
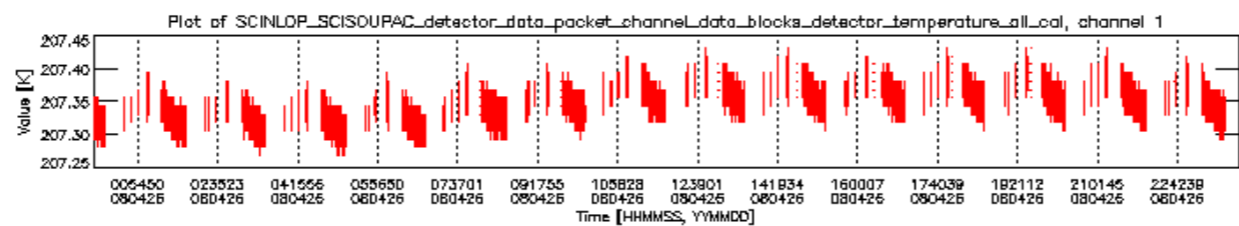


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080426_8.PNG









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 26APR2008.
 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.

