

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	02APR2008 06:05:48
Data source version	KSPT_L0/4303-N
Processing scope for products	29MAR2008 00:00:00 to 30MAR2008 00:00:00
Start time of first product within scope	29MAR2008 00:56:15
Stop time of last product within scope	30MAR2008 00:30:46
Total number of level 0 products	14
Number of level 0 products with errors	3

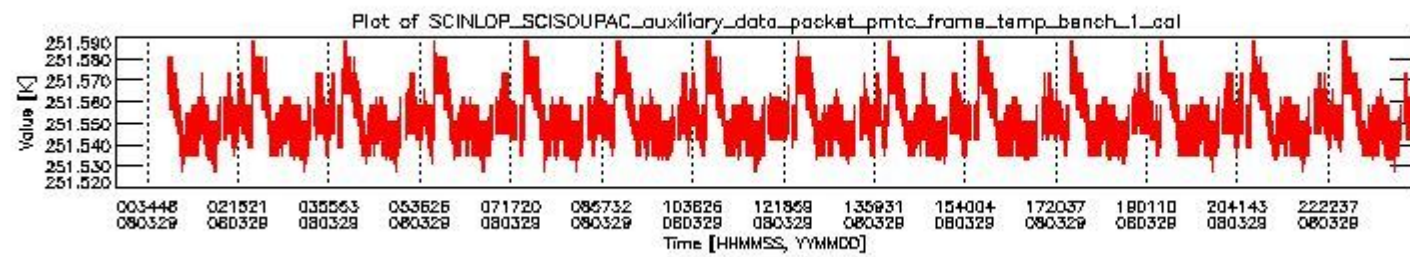
0.1.2 Summary per product

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

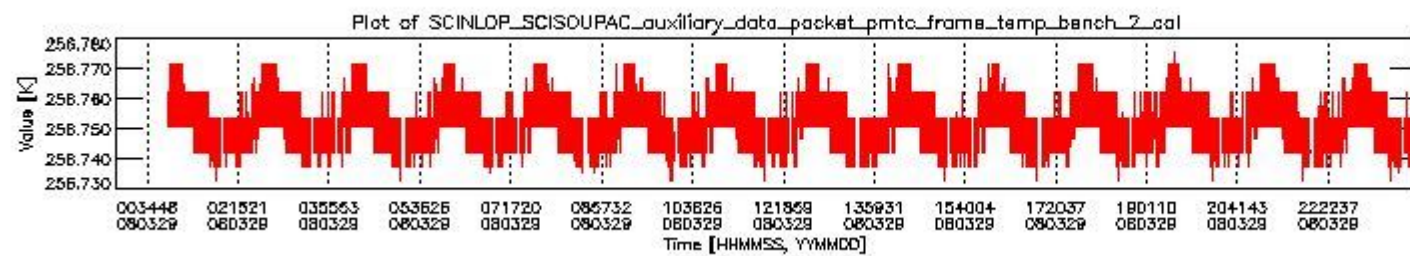
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080329_005615_000064652067_00160_31777_6329.N1	29MAR2008 00:56:15	29MAR2008 02:44:00	1	0	1	0	0
1	SCI_NL__OPNPDE20080329_023951_000064092067_00161_31778_6330.N1	29MAR2008 02:39:51	29MAR2008 04:26:40	0	0	0	0	0
2	SCI_NL__OPNPDE20080329_042231_000064092067_00162_31779_6331.N1	29MAR2008 04:22:31	29MAR2008 06:09:20	1	0	1	0	0
3	SCI_NL__OPNPDK20080329_060307_000062842067_00163_31780_7792.N1	29MAR2008 06:03:07	29MAR2008 07:47:51	0	0	0	0	0
4	SCI_NL__OPNPDK20080329_074655_000060232067_00164_31781_7793.N1	29MAR2008 07:46:55	29MAR2008 09:27:18	0	0	0	0	0
5	SCI_NL__OPNPDK20080329_092718_000059802067_00165_31782_7794.N1	29MAR2008 09:27:18	29MAR2008 11:06:58	0	0	0	0	0
6	SCI_NL__OPNPDK20080329_110602_000060232067_00166_31783_7795.N1	29MAR2008 11:06:02	29MAR2008 12:46:25	0	0	0	0	0
7	SCI_NL__OPNPDK20080329_124529_000059112067_00167_31784_7796.N1	29MAR2008 12:45:29	29MAR2008 14:24:00	0	0	0	0	0
8	SCI_NL__OPNPDK20080329_142304_000057742067_00168_31785_7797.N1	29MAR2008 14:23:04	29MAR2008 15:59:18	0	0	0	0	0
9	SCI_NL__OPNPDK20080329_155822_000060582067_00169_31786_7798.N1	29MAR2008 15:58:22	29MAR2008 17:39:20	0	0	0	0	0
10	SCI_NL__OPNPDK20080329_173824_000060362067_00170_31787_7799.N1	29MAR2008 17:38:24	29MAR2008 19:18:59	0	0	0	0	0
11	SCI_NL__OPNPDK20080329_191803_000059582067_00171_31788_7800.N1	29MAR2008 19:18:03	29MAR2008 20:57:21	0	0	0	0	0
12	SCI_NL__OPNPDK20080329_205503_000064652067_00172_31789_7801.N1	29MAR2008 20:55:03	29MAR2008 22:42:48	0	0	0	0	0
13	SCI_NL__OPNPDE20080329_224140_000065462067_00173_31790_6332.N1	29MAR2008 22:41:40	30MAR2008 00:30:46	1	0	1	0	0

0.2 Product Quality Indicators

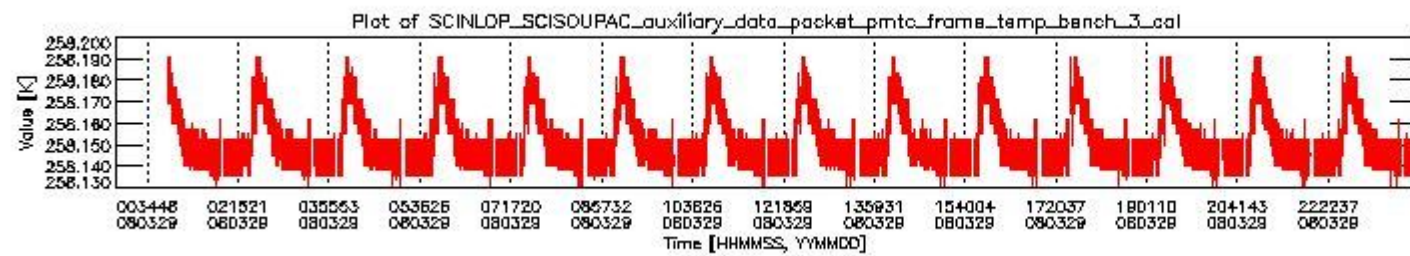
This section shows information about product quality, currently temperatures.



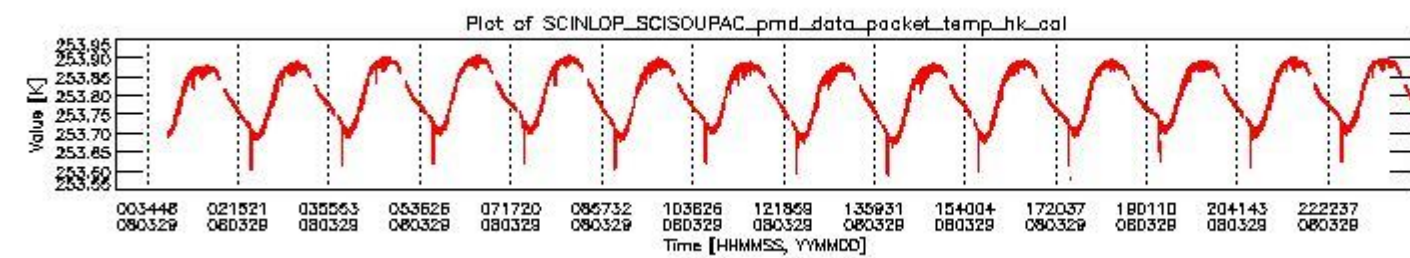
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080329_0.PNG



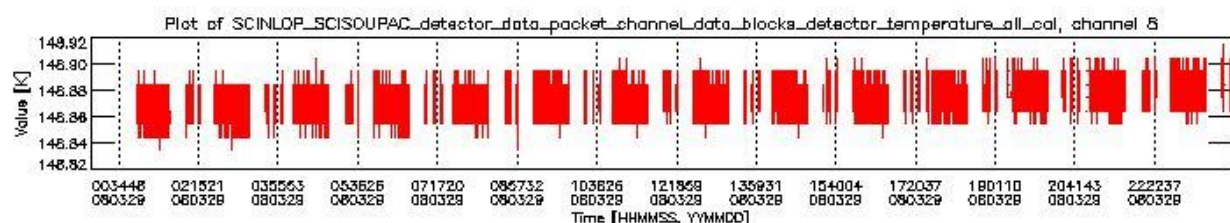
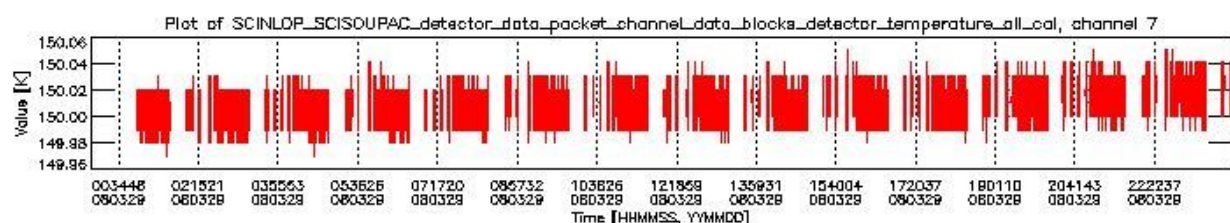
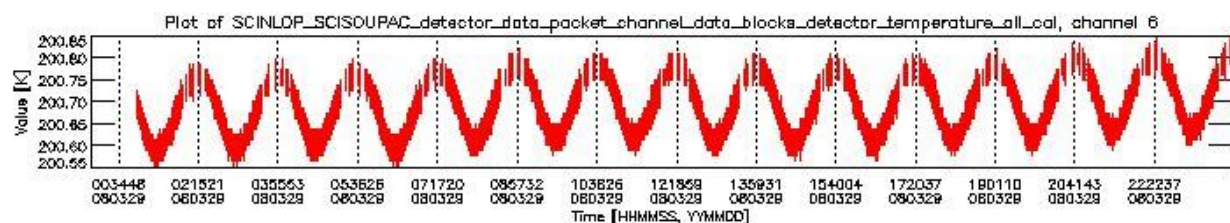
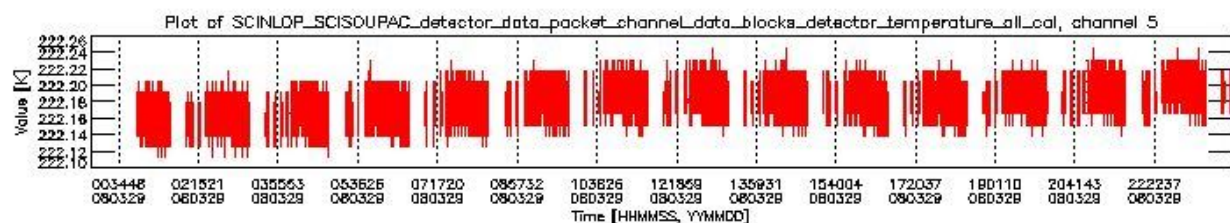
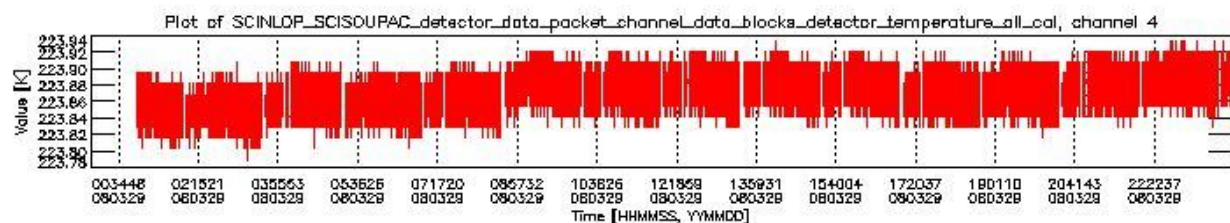
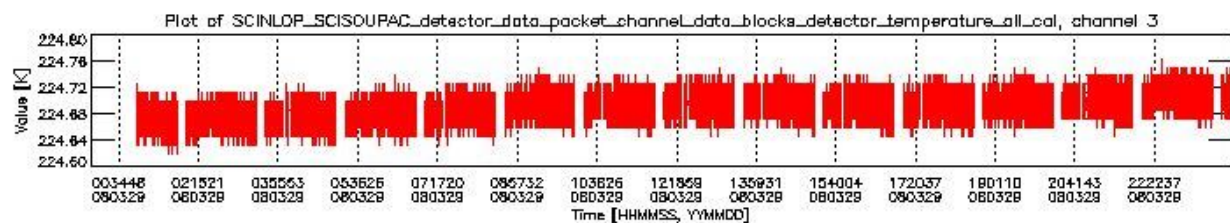
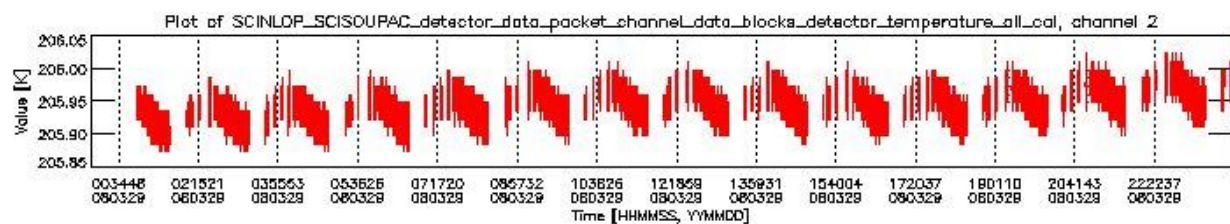
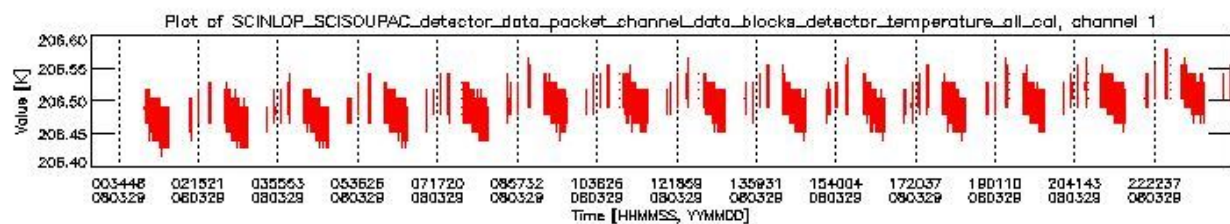
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080329_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080329_3.PNG

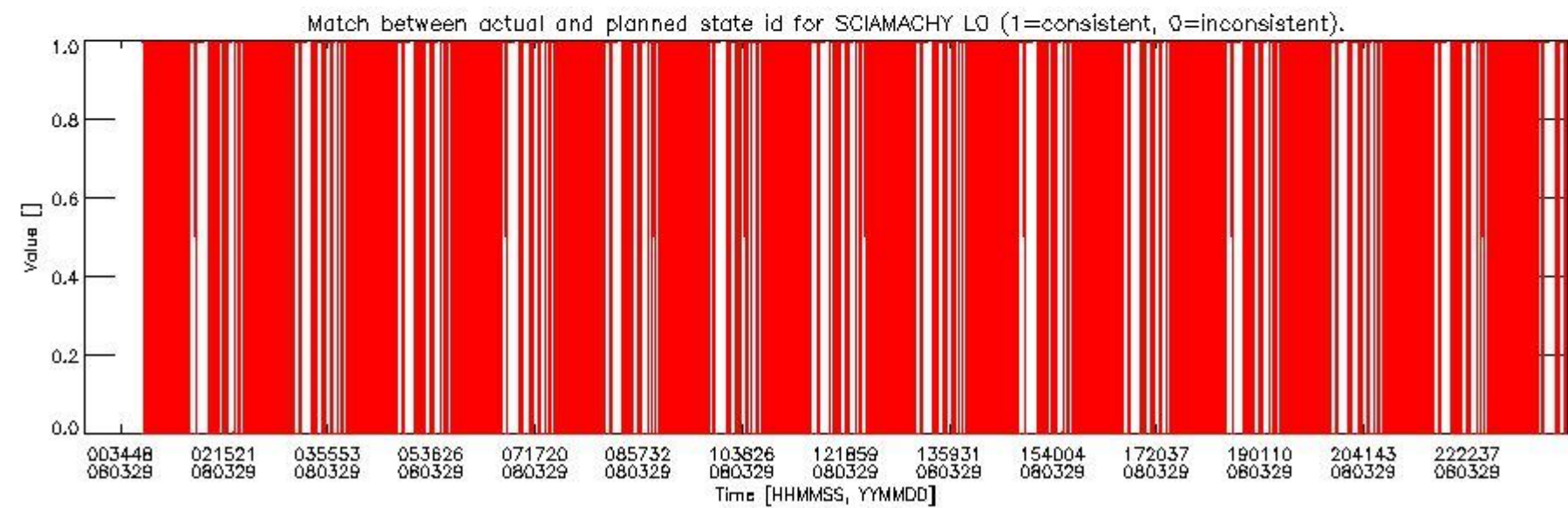
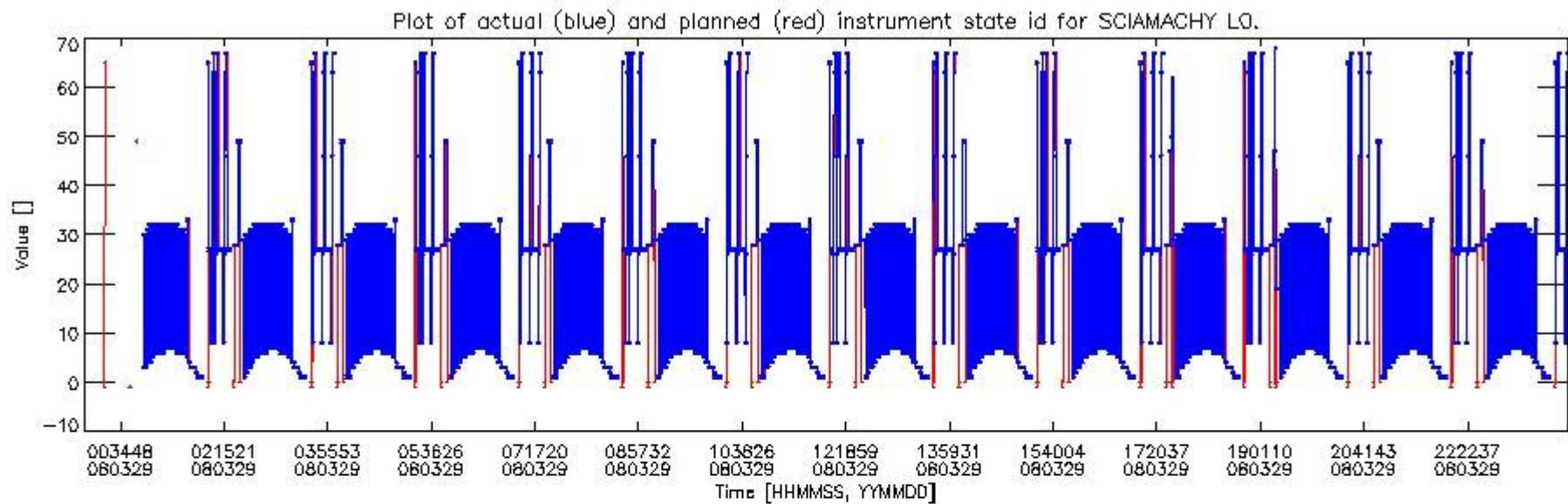


0.3 State monitoring

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: **32303**

#	Actual time	Actual value	Planned time	Planned value
0	29MAR2008 00:57:11.863099	3	29MAR2008 00:57:11.863099	30
1	29MAR2008 00:57:12.113108	3	29MAR2008 00:57:12.113108	30
2	29MAR2008 00:57:12.238112	3	29MAR2008 00:57:12.238112	30
3	29MAR2008 00:57:12.363117	3	29MAR2008 00:57:12.363117	30
4	29MAR2008 00:57:12.488121	3	29MAR2008 00:57:12.488121	30
5	29MAR2008 00:57:12.613085	3	29MAR2008 00:57:12.613085	30
6	29MAR2008 00:57:12.738090	3	29MAR2008 00:57:12.738090	30
7	29MAR2008 00:57:12.863094	3	29MAR2008 00:57:12.863094	30
8	29MAR2008 00:57:12.988098	3	29MAR2008 00:57:12.988098	30
9	29MAR2008 00:57:13.113103	3	29MAR2008 00:57:13.113103	30
10	29MAR2008 00:57:13.238107	3	29MAR2008 00:57:13.238107	30
11	29MAR2008 00:57:13.363111	3	29MAR2008 00:57:13.363111	30
12	29MAR2008 00:57:13.488116	3	29MAR2008 00:57:13.488116	30
13	29MAR2008 00:57:13.613120	3	29MAR2008 00:57:13.613120	30
14	29MAR2008 00:57:13.738124	3	29MAR2008 00:57:13.738124	30
15	29MAR2008 00:57:13.863088	3	29MAR2008 00:57:13.863088	30
16	29MAR2008 00:57:13.988093	3	29MAR2008 00:57:13.988093	30
17	29MAR2008 00:57:14.113097	3	29MAR2008 00:57:14.113097	30
18	29MAR2008 00:57:14.238102	3	29MAR2008 00:57:14.238102	30
19	29MAR2008 00:57:14.363106	3	29MAR2008 00:57:14.363106	30

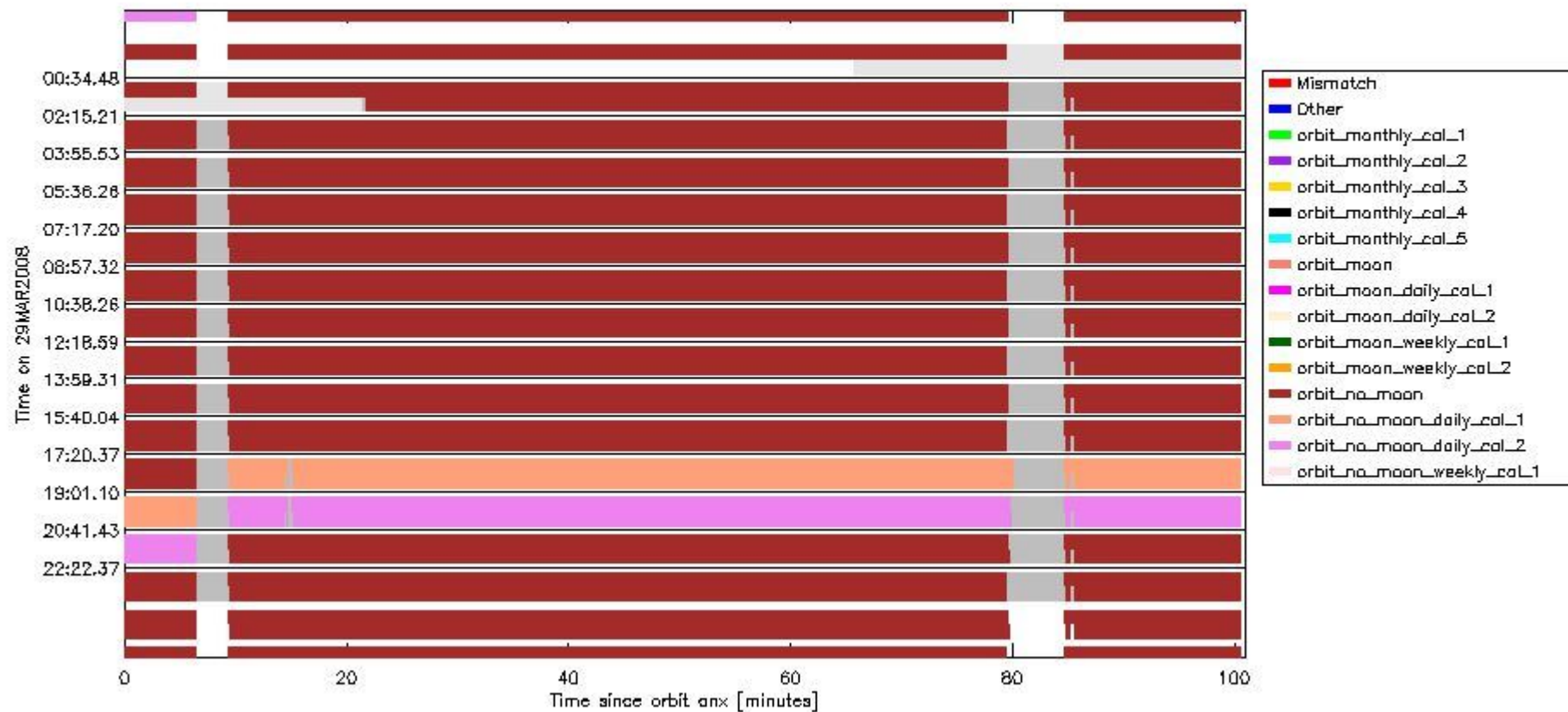


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080329_5.PNG

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 29MAR2008.
 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_20080329_6.PNG

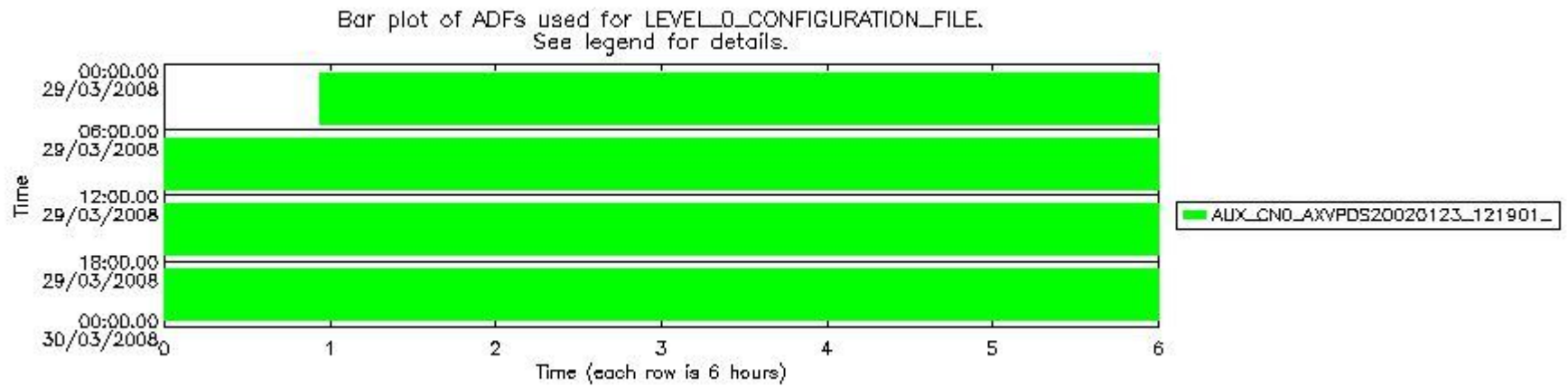
0.4 ADF monitoring

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

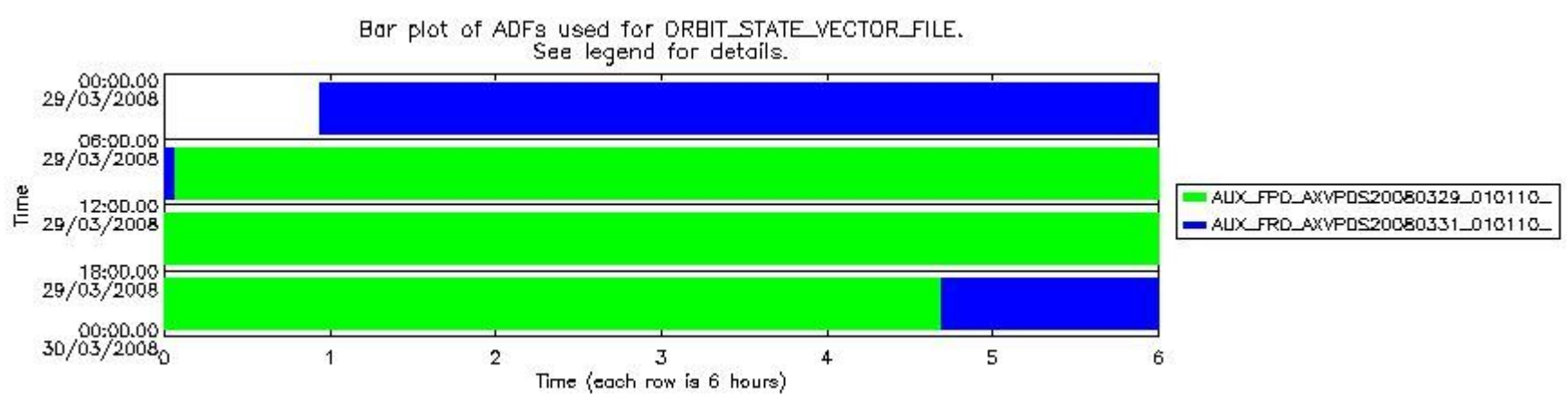
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

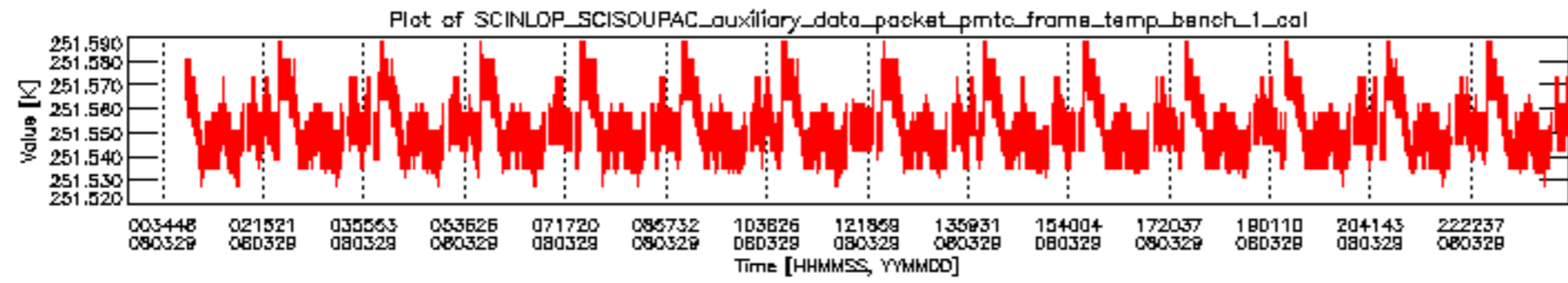
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080329_010110_20080328_193255_20080407_205908
2	AUX_FRO_AXVPDS20080331_010110_20080327_221000_20080330_005000

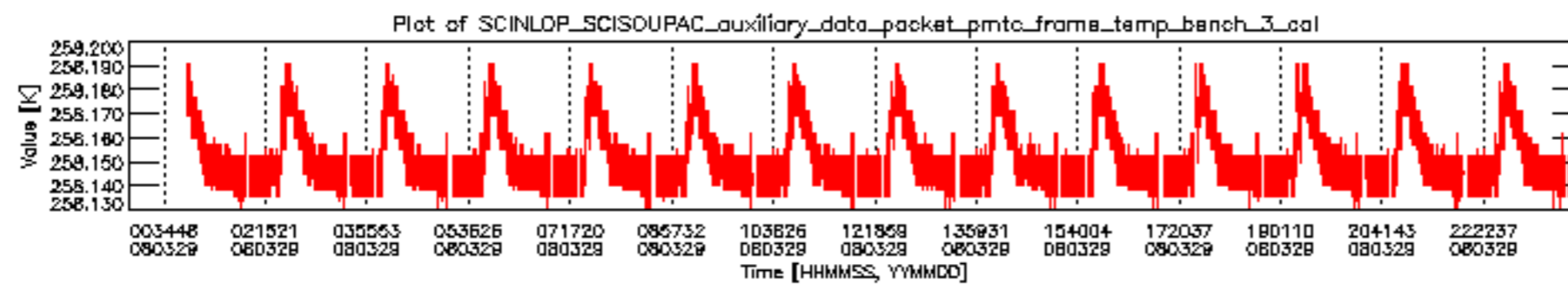


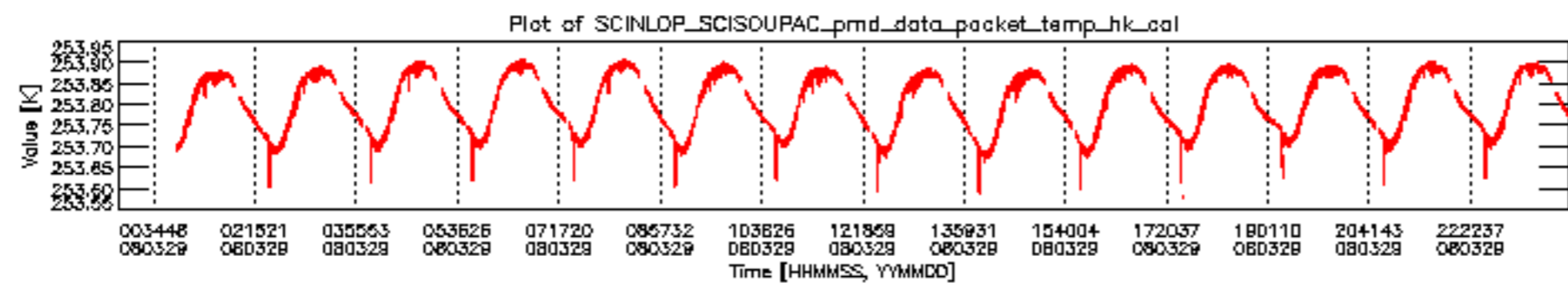
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080329_7.PNG

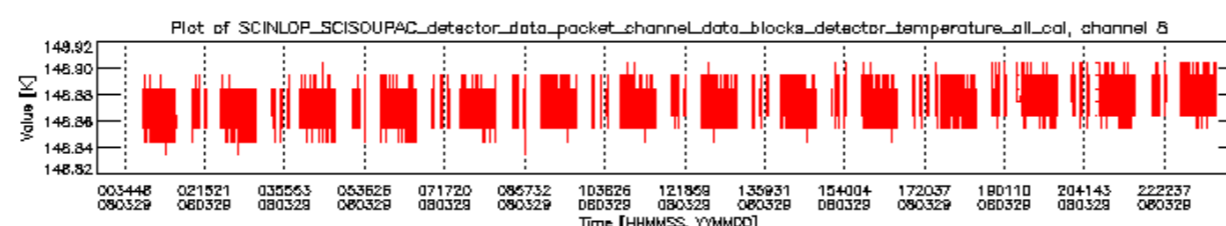
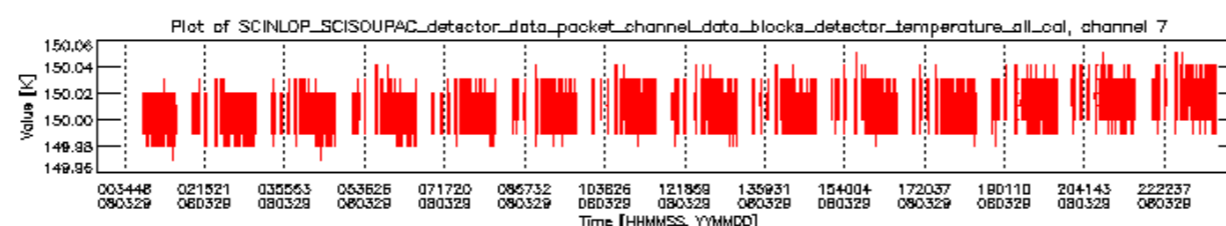
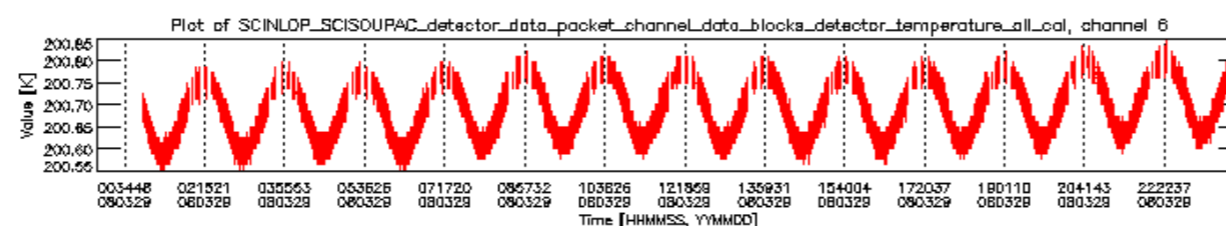
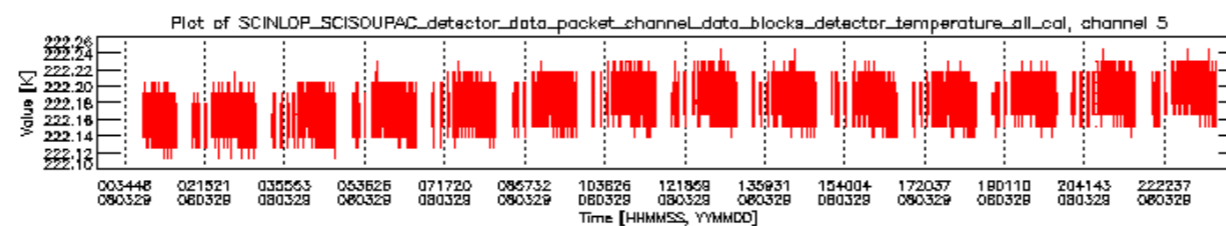
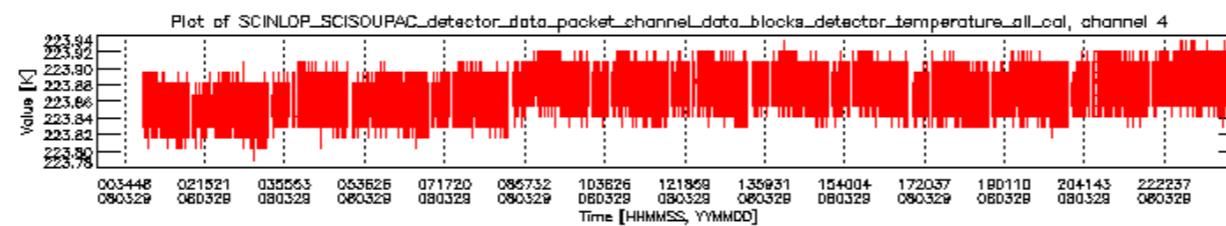
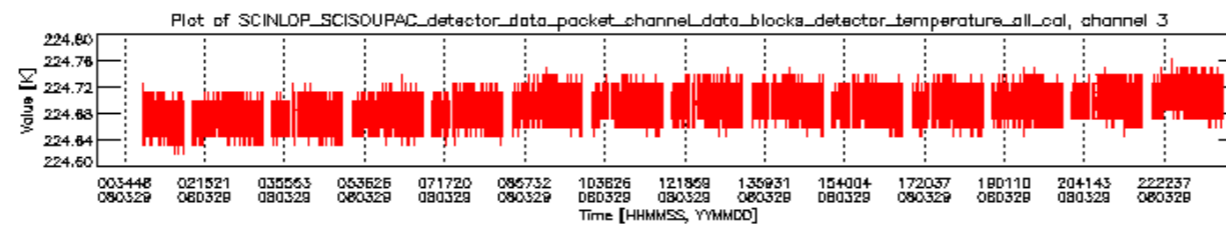
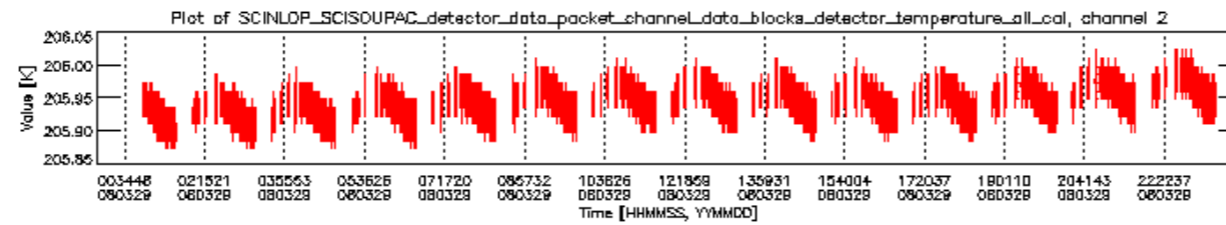
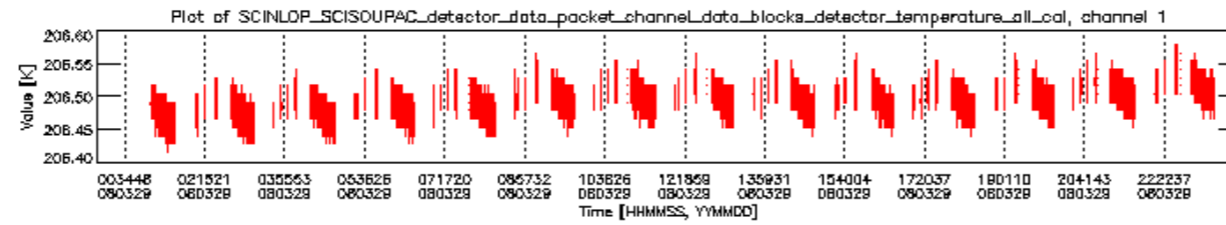


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080329_8.PNG









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