

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	19APR2008 05:13:04
Data source version	KSPT_L0/4303-N
Processing scope for products	15APR2008 00:00:00 to 16APR2008 00:00:00
Start time of first product within scope	14APR2008 23:48:45
Stop time of last product within scope	16APR2008 00:58:21
Total number of level 0 products	16
Number of level 0 products with errors	1

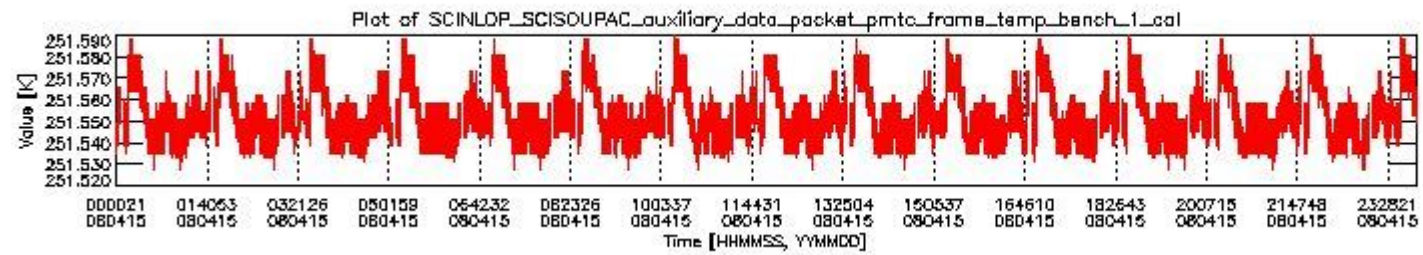
0.1.2 Summary per product

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

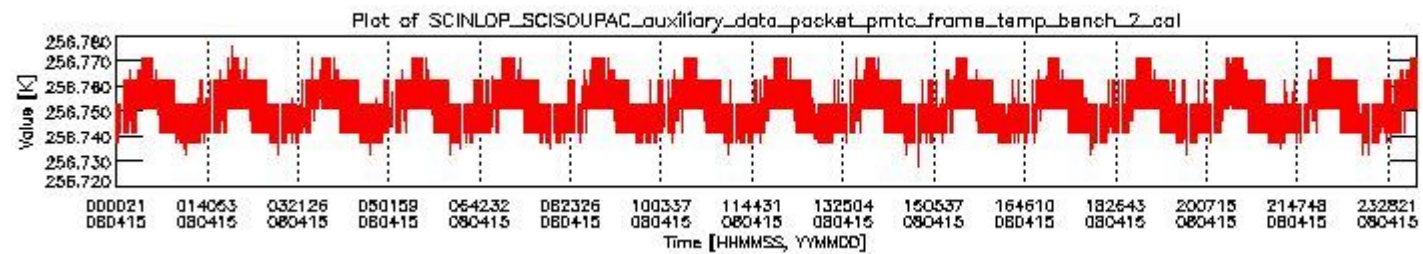
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080414_234845_000059472067_00402_32019_6324.N1	14APR2008 23:48:45	15APR2008 01:27:53	0	0	0	0	0
1	SCI_NL__OPNPDE20080415_012709_000047382067_00403_32020_6325.N1	15APR2008 01:27:09	15APR2008 02:46:06	0	0	0	0	0
2	SCI_NL__OPNPDE20080415_024510_000057872067_00404_32021_6326.N1	15APR2008 02:45:10	15APR2008 04:21:37	0	0	0	0	0
3	SCI_NL__OPNPDE20080415_042028_000061602067_00405_32022_6327.N1	15APR2008 04:20:28	15APR2008 06:03:08	0	0	0	0	0
4	SCI_NL__OPNPDK20080415_060213_000041692067_00406_32023_7952.N1	15APR2008 06:02:13	15APR2008 07:11:42	0	0	0	0	0
5	SCI_NL__OPNPDK20080415_071142_000060362067_00407_32024_7953.N1	15APR2008 07:11:42	15APR2008 08:52:17	0	0	0	0	0
6	SCI_NL__OPNPDK20080415_085109_000060352067_00408_32025_7954.N1	15APR2008 08:51:09	15APR2008 10:31:44	1	1	0	0	0
7	SCI_NL__OPNPDK20080415_103048_000059672067_00409_32026_7955.N1	15APR2008 10:30:48	15APR2008 12:10:15	0	0	0	0	0
8	SCI_NL__OPNPDK20080415_121015_000060352067_00410_32027_7956.N1	15APR2008 12:10:15	15APR2008 13:50:51	0	0	0	0	0
9	SCI_NL__OPNPDK20080415_134955_000058432067_00411_32028_7957.N1	15APR2008 13:49:55	15APR2008 15:27:17	0	0	0	0	0
10	SCI_NL__OPNPDK20080415_152513_000059802067_00412_32029_7958.N1	15APR2008 15:25:13	15APR2008 17:04:53	0	0	0	0	0
11	SCI_NL__OPNPDK20080415_170344_000060552067_00413_32030_7959.N1	15APR2008 17:03:44	15APR2008 18:44:39	0	0	0	0	0
12	SCI_NL__OPNPDK20080415_184247_000059802067_00414_32031_7962.N1	15APR2008 18:42:47	15APR2008 20:22:27	0	0	0	0	0
13	SCI_NL__OPNPDE20080415_202050_000044032067_00415_32032_6328.N1	15APR2008 20:20:50	15APR2008 21:34:14	0	0	0	0	0
14	SCI_NL__OPNPDE20080415_213250_000062512067_00415_32032_6329.N1	15APR2008 21:32:50	15APR2008 23:17:01	0	0	0	0	0
15	SCI_NL__OPNPDE20080415_231538_000061632067_00416_32033_6330.N1	15APR2008 23:15:38	16APR2008 00:58:21	0	0	0	0	0

0.2 Product Quality Indicators

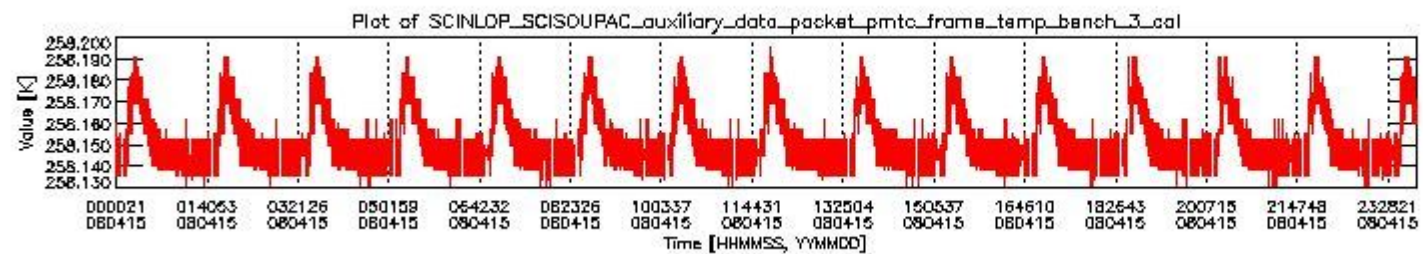
This section shows information about product quality, currently temperatures.



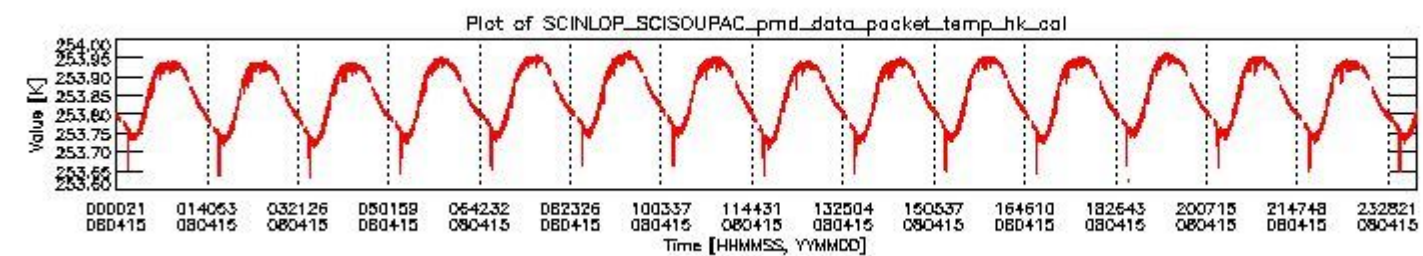
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080415_0.PNG



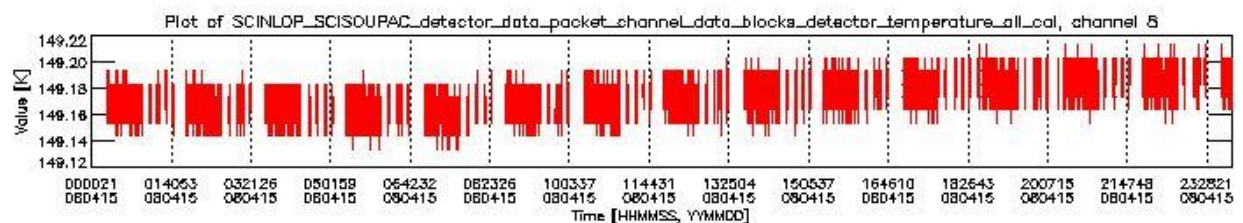
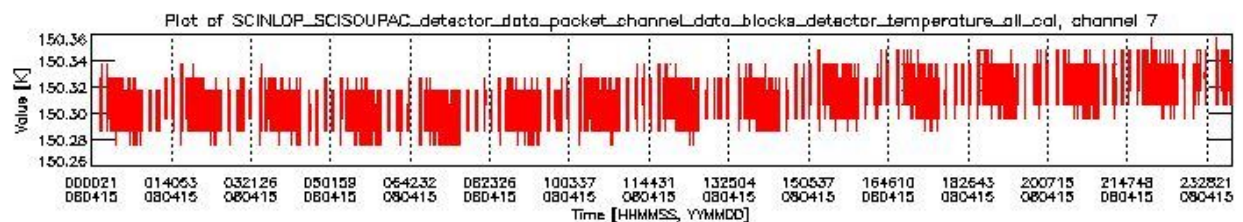
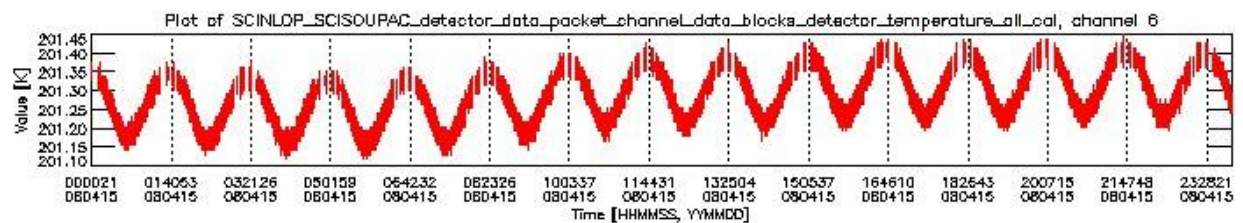
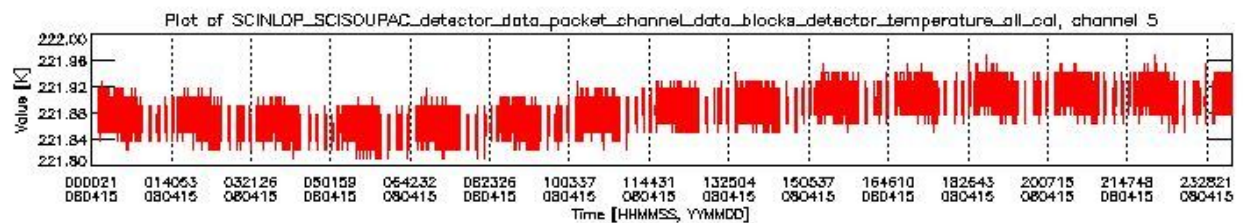
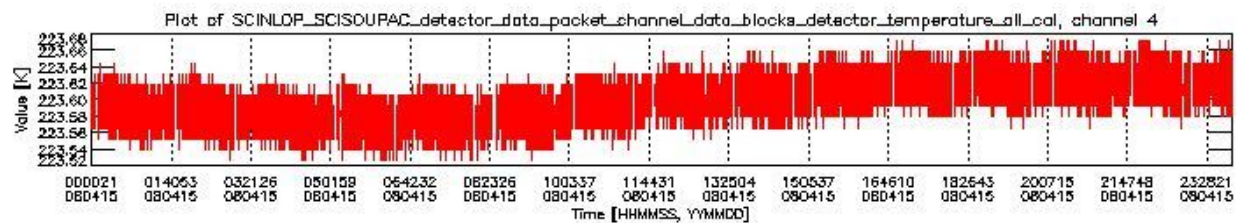
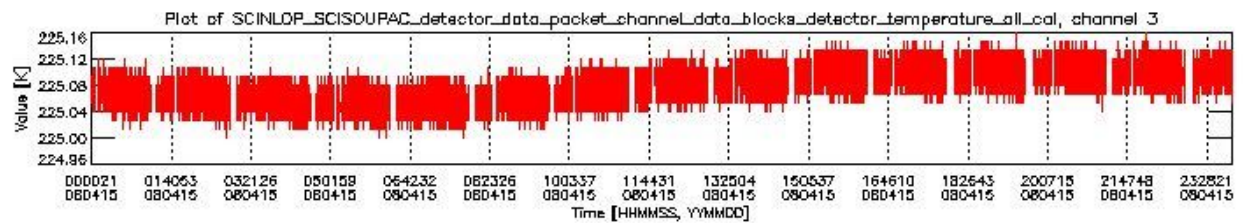
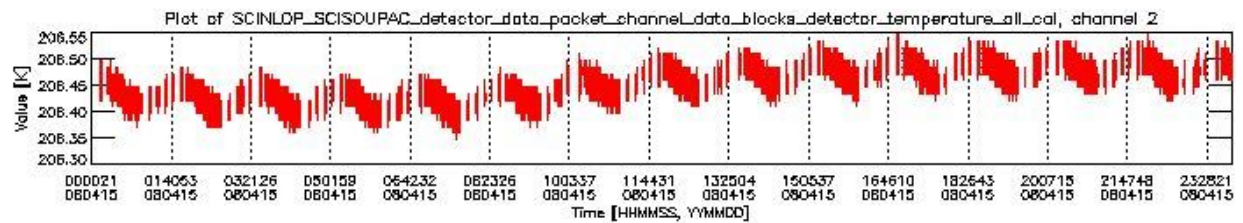
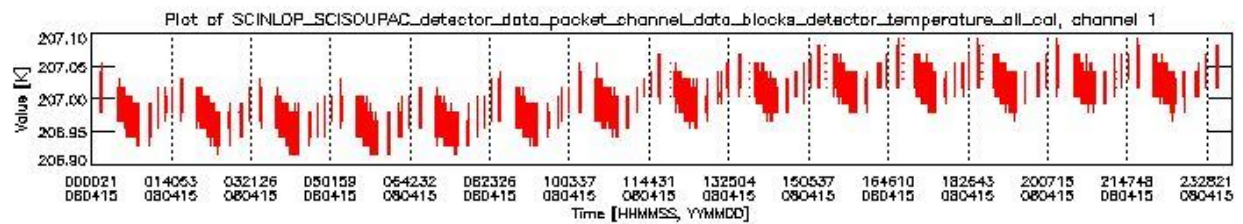
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080415_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080415_3.PNG

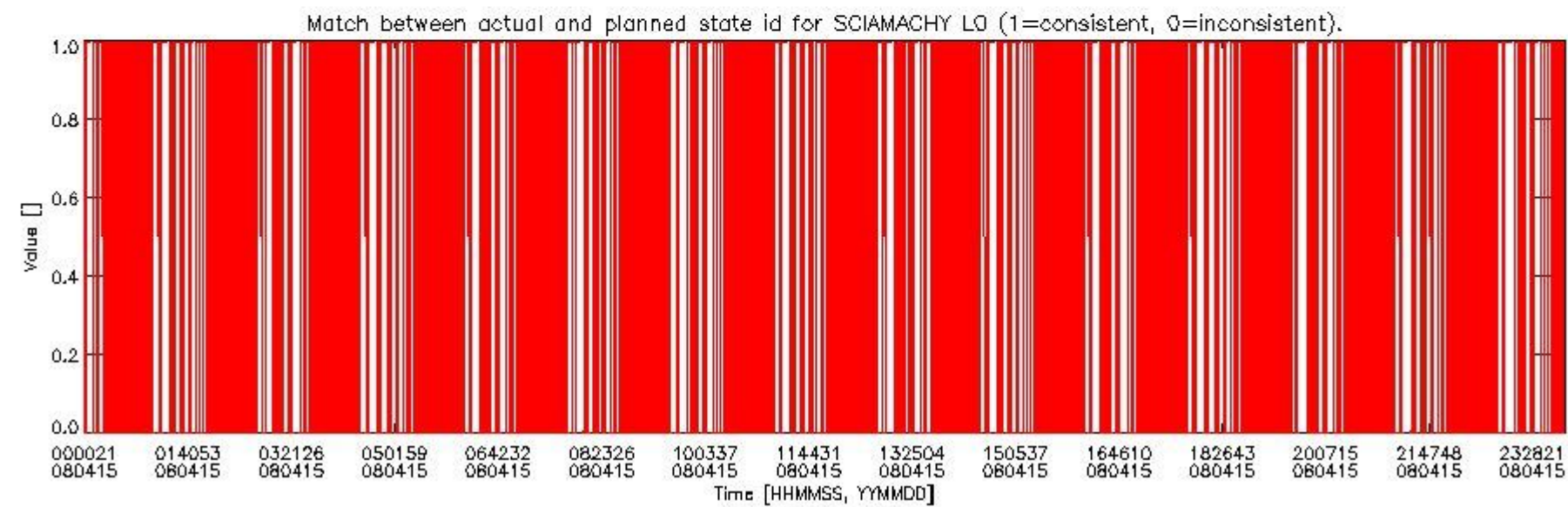
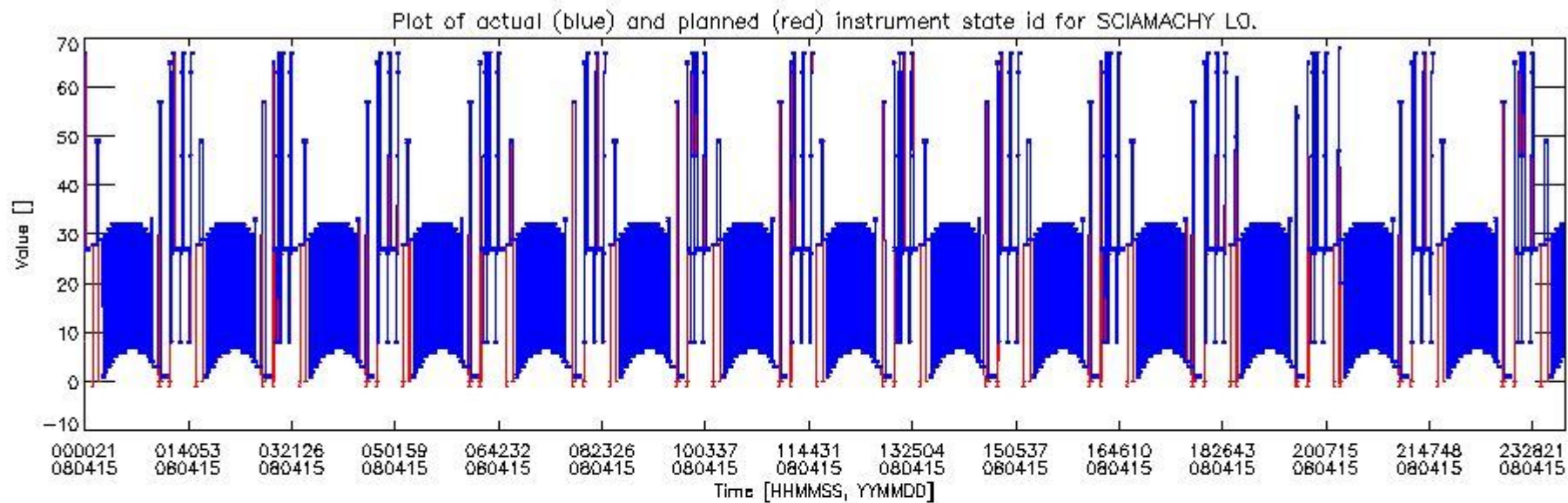


0.3 State monitoring

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: **40985**

#	Actual time	Actual value	Planned time	Planned value
0	15APR2008 00:00:49.817634	27	15APR2008 00:00:49.817634	67
1	15APR2008 00:00:50.817628	27	15APR2008 00:00:50.817628	67
2	15APR2008 00:00:51.755100	27	15APR2008 00:00:51.755100	67
3	15APR2008 00:00:52.505127	27	15APR2008 00:00:52.505127	67
4	15APR2008 00:00:53.442599	27	15APR2008 00:00:53.442599	67
5	15APR2008 00:00:54.192625	27	15APR2008 00:00:54.192625	67
6	15APR2008 00:00:54.817607	27	15APR2008 00:00:54.817607	67
7	15APR2008 00:00:55.130097	27	15APR2008 00:00:55.130097	67
8	15APR2008 00:00:55.880123	27	15APR2008 00:00:55.880123	67
9	15APR2008 00:00:56.817596	27	15APR2008 00:00:56.817596	67
10	15APR2008 00:00:57.567622	27	15APR2008 00:00:57.567622	67
11	15APR2008 00:00:58.505134	27	15APR2008 00:00:58.505134	67
12	15APR2008 00:08:03.341092	28	15APR2008 00:08:03.341092	0
13	15APR2008 00:08:03.966114	28	15APR2008 00:08:03.966114	0
14	15APR2008 00:08:04.341086	28	15APR2008 00:08:04.341086	0
15	15APR2008 00:08:04.716100	28	15APR2008 00:08:04.716100	0
16	15APR2008 00:08:05.278599	28	15APR2008 00:08:05.278599	0
17	15APR2008 00:08:05.653612	28	15APR2008 00:08:05.653612	0
18	15APR2008 00:08:06.028585	28	15APR2008 00:08:06.028585	0
19	15APR2008 00:08:06.403598	28	15APR2008 00:08:06.403598	0
...

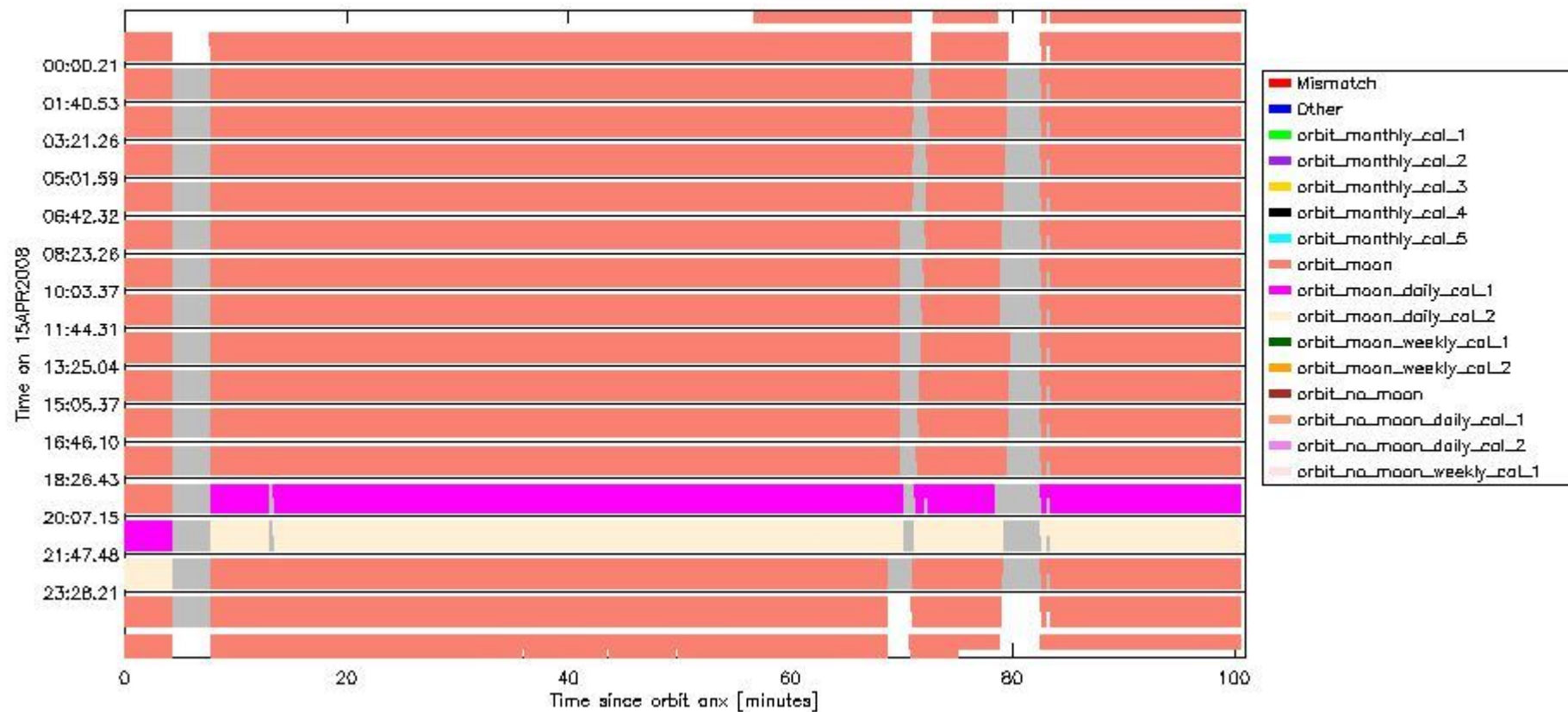


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080415_5.PNG

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 15APR2008.
 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_20080415_6.PNG

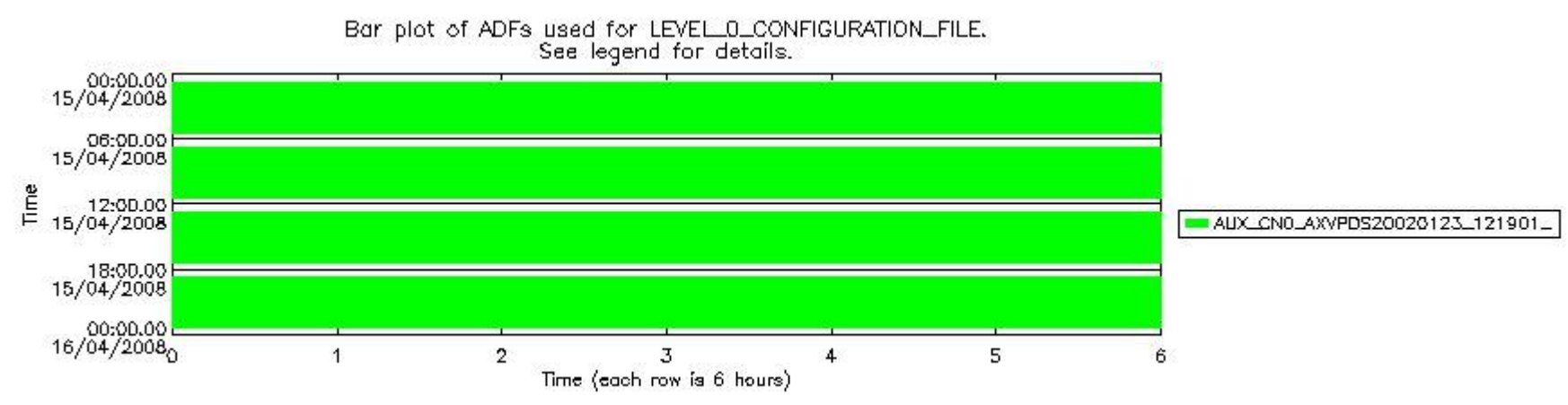
0.4 ADF monitoring

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

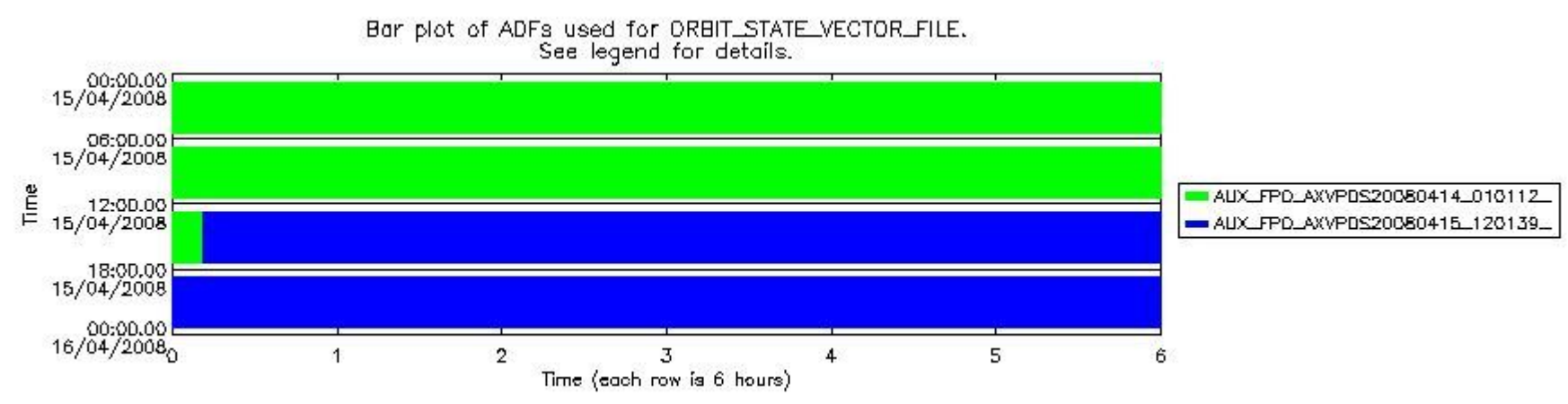
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

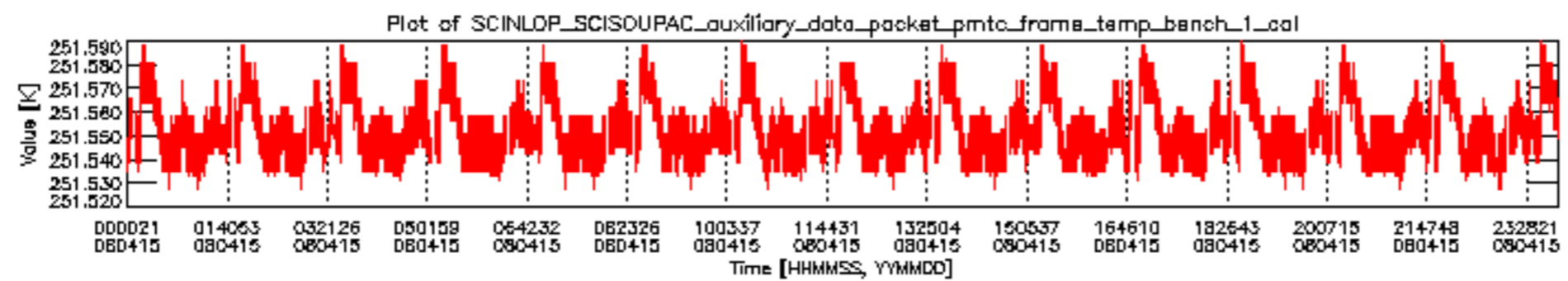
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080414_010112_20080413_193001_20080423_205613
2	AUX_FPO_AXVPDS20080415_120139_20080414_185824_20080424_202437

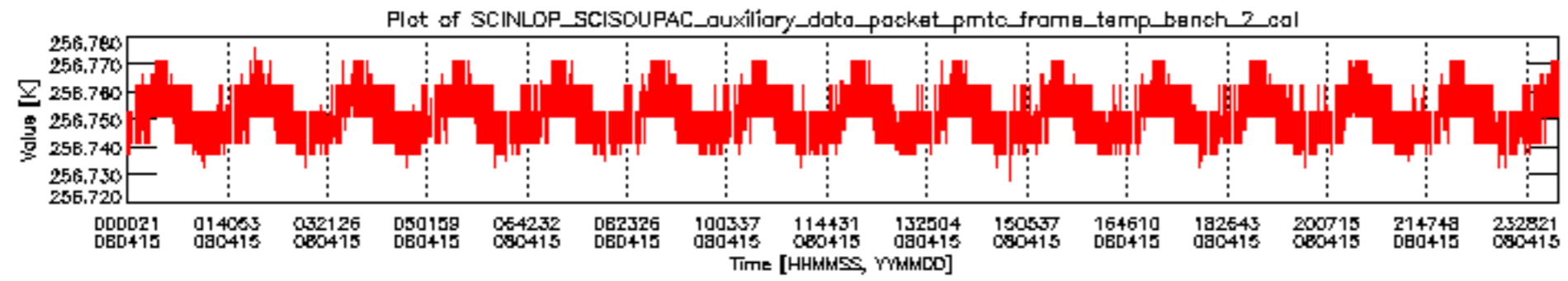


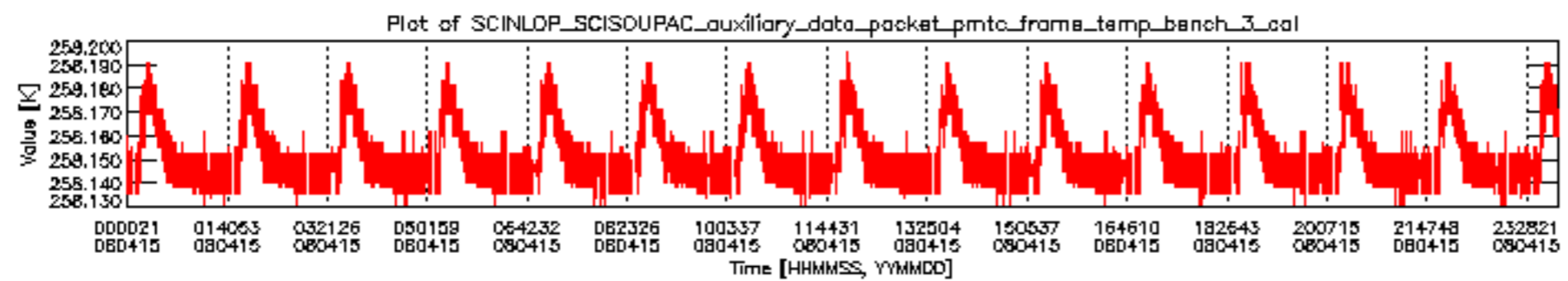
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080415_7.PNG

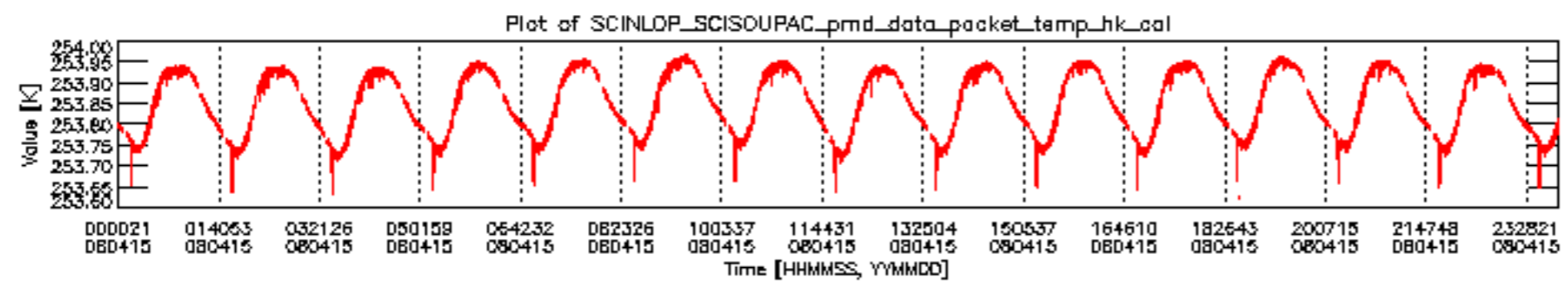


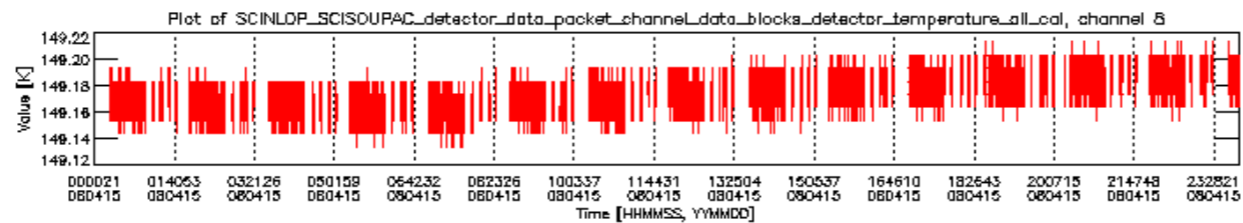
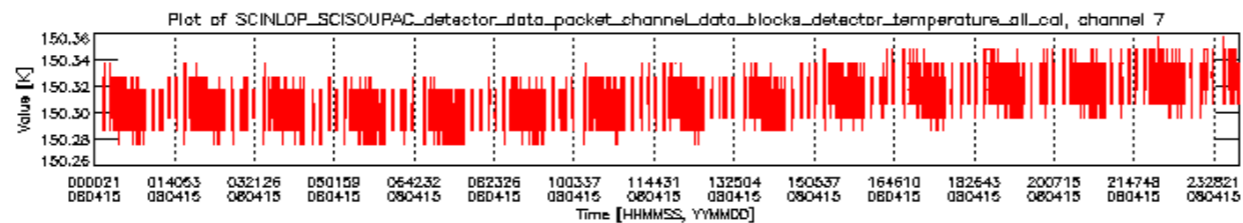
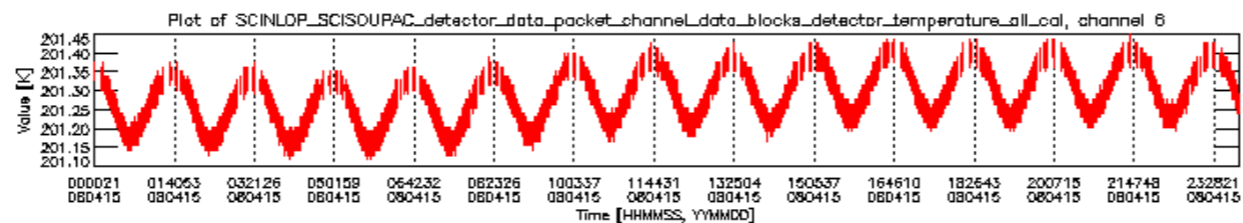
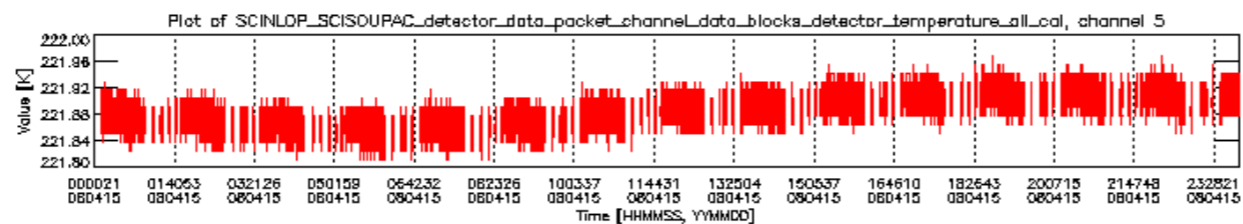
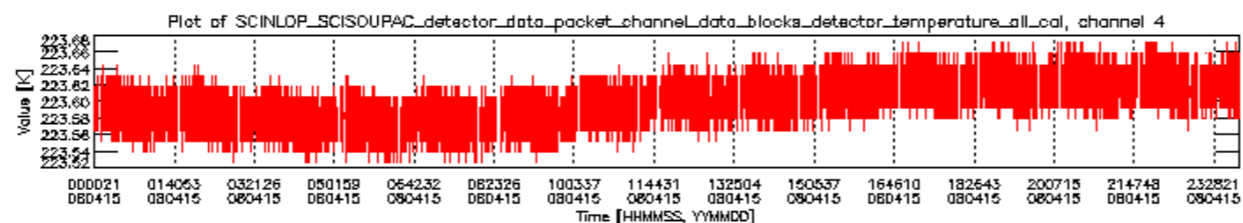
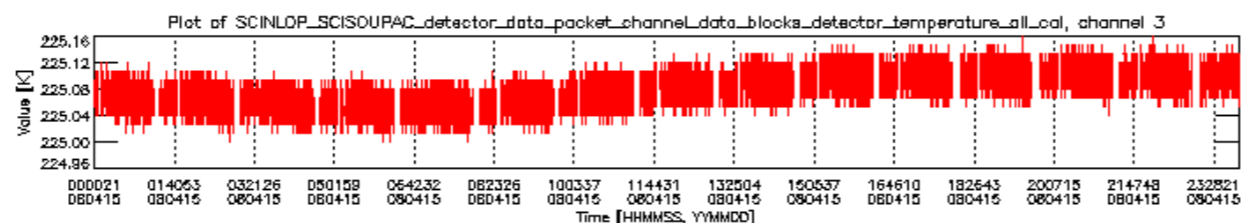
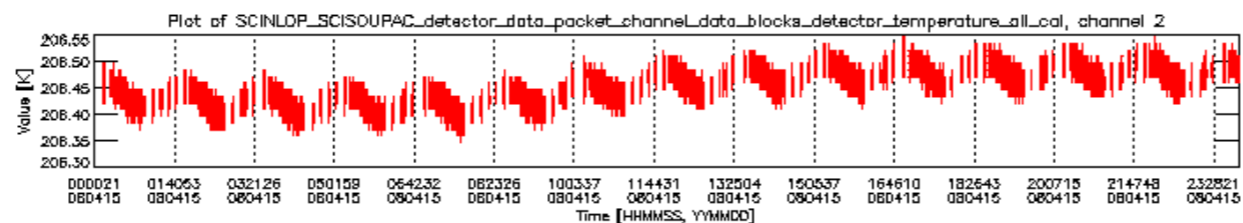
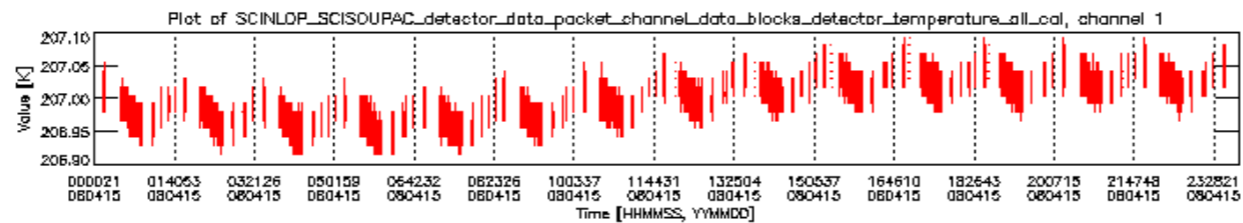
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080415_8.PNG











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