

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	13JUN2009 09:39:54
Data source version	KSPT_L0/4303-N
Processing scope for products	09JUN2009 00:00:00 to 10JUN2009 00:00:00
Start time of first product within scope	08JUN2009 23:48:00
Stop time of last product within scope	10JUN2009 00:57:10
Total number of level 0 products	16
Number of level 0 products with errors	1

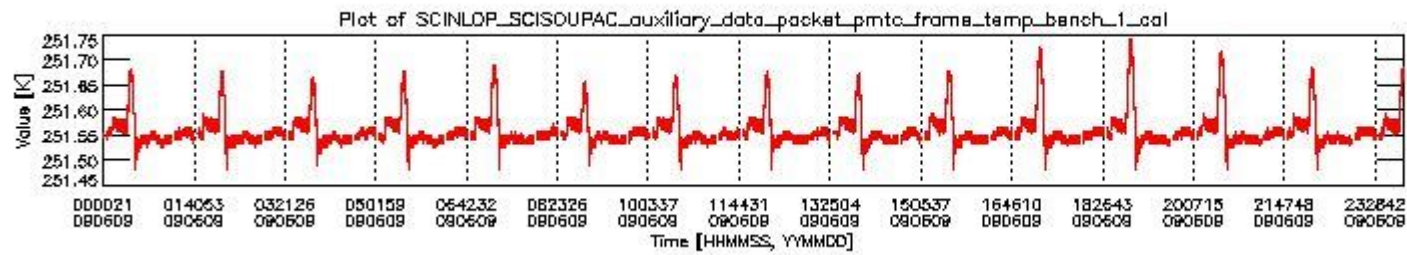
0.1.2 Summary per product

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

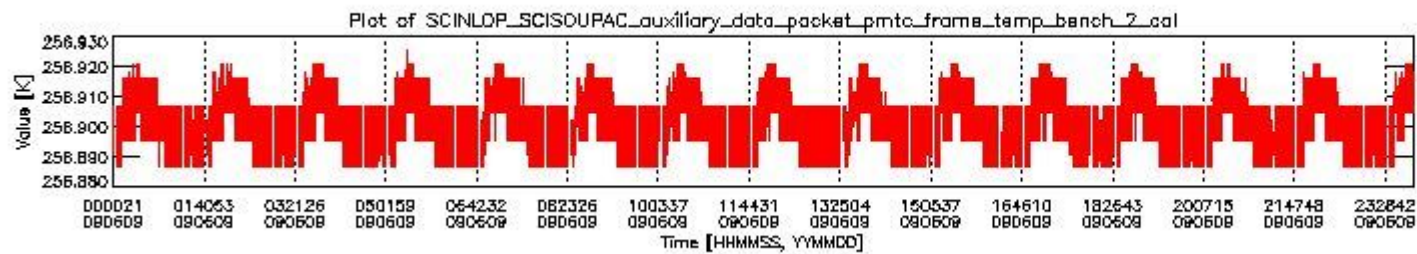
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090608_234800_000060042079_00402_38031_9301.N1	08JUN2009 23:48:00	09JUN2009 01:28:05	0	0	0	0	0
1	SCI_NL__OPNPDE20090609_012721_000046672079_00403_38032_9302.N1	09JUN2009 01:27:21	09JUN2009 02:45:07	0	0	0	0	0
2	SCI_NL__OPNPDE20090609_024507_000058302079_00404_38033_9303.N1	09JUN2009 02:45:07	09JUN2009 04:22:17	0	0	0	0	0
3	SCI_NL__OPNPDE20090609_042217_000060362079_00405_38034_9304.N1	09JUN2009 04:22:17	09JUN2009 06:02:53	0	0	0	0	0
4	SCI_NL__OPNPDK20090609_060253_000041012079_00406_38035_1753.N1	09JUN2009 06:02:53	09JUN2009 07:11:14	0	0	0	0	0
5	SCI_NL__OPNPDK20090609_071018_000061602079_00407_38036_1754.N1	09JUN2009 07:10:18	09JUN2009 08:52:59	0	0	0	0	0
6	SCI_NL__OPNPDK20090609_085259_000059672079_00408_38037_1755.N1	09JUN2009 08:52:59	09JUN2009 10:32:26	0	0	0	0	0
7	SCI_NL__OPNPDK20090609_103130_000060362079_00409_38038_1756.N1	09JUN2009 10:31:30	09JUN2009 12:12:06	0	0	0	0	0
8	SCI_NL__OPNPDK20090609_121110_000059672079_00410_38039_1757.N1	09JUN2009 12:11:10	09JUN2009 13:50:37	0	0	0	0	0
9	SCI_NL__OPNPDK20090609_134928_000059242079_00411_38040_1758.N1	09JUN2009 13:49:28	09JUN2009 15:28:13	0	0	0	0	0
10	SCI_NL__OPNPDK20090609_152813_000058432079_00412_38041_1759.N1	09JUN2009 15:28:13	09JUN2009 17:05:35	0	0	0	0	0
11	SCI_NL__OPNPDK20090609_170427_000059392079_00413_38042_1760.N1	09JUN2009 17:04:27	09JUN2009 18:43:26	1	1	0	0	0
12	SCI_NL__OPNPDK20090609_184217_000060922079_00414_38043_1761.N1	09JUN2009 18:42:17	09JUN2009 20:23:49	0	0	0	0	0
13	SCI_NL__OPNPDE20090609_202253_000042532079_00415_38044_9305.N1	09JUN2009 20:22:53	09JUN2009 21:33:47	0	0	0	0	0
14	SCI_NL__OPNPDE20090609_213302_000062882079_00415_38044_9306.N1	09JUN2009 21:33:02	09JUN2009 23:17:50	0	0	0	0	0
15	SCI_NL__OPNPDE20090609_231706_000060042079_00416_38045_9307.N1	09JUN2009 23:17:06	10JUN2009 00:57:10	0	0	0	0	0

0.2 Product Quality Indicators

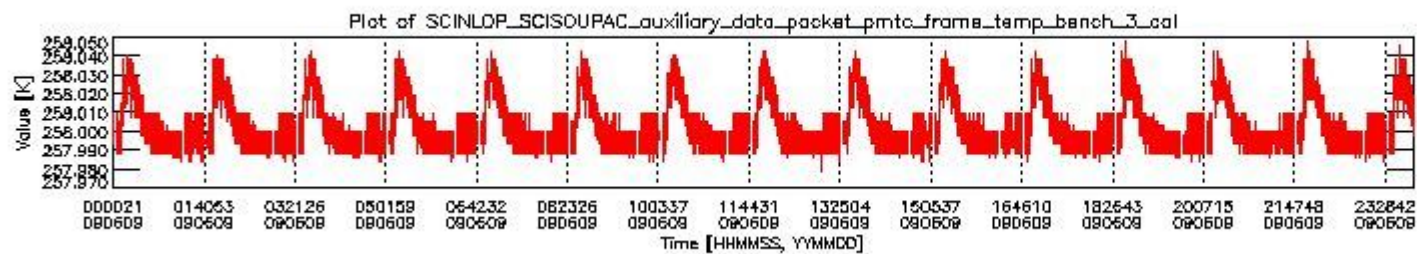
This section shows information about product quality, currently temperatures.



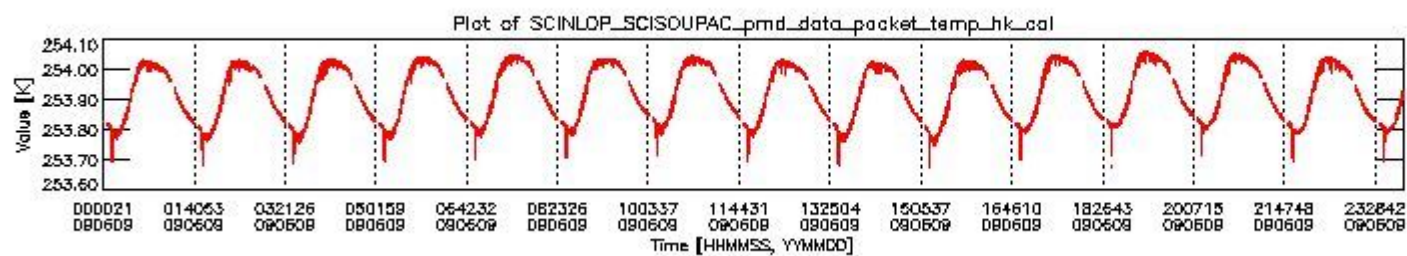
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090609_0.PNG



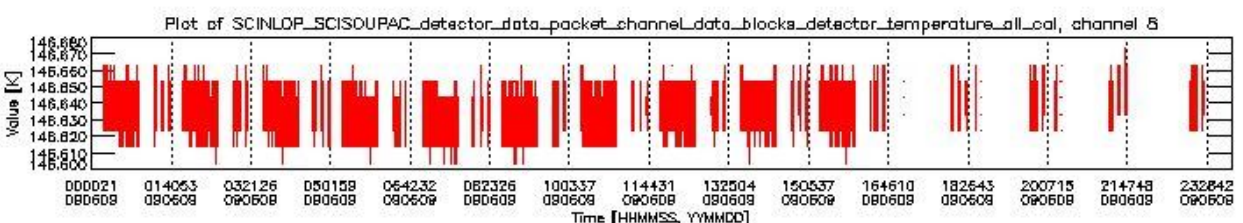
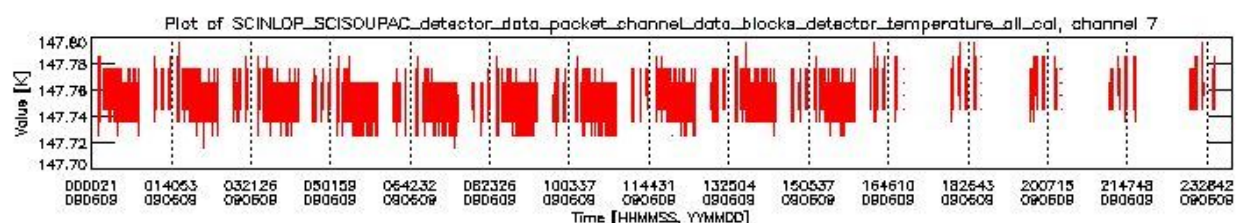
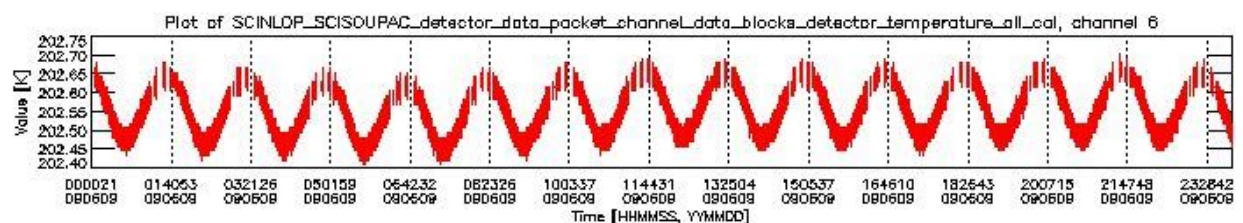
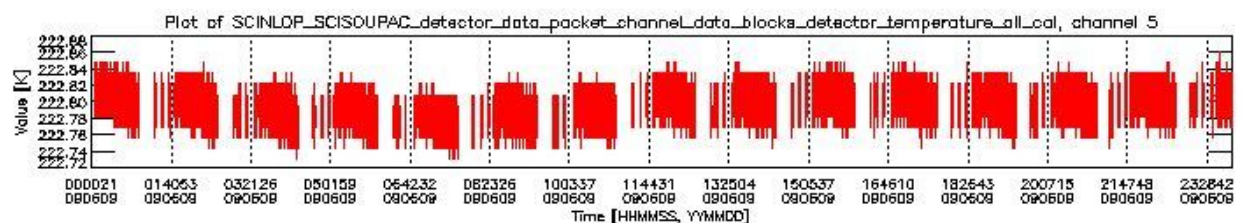
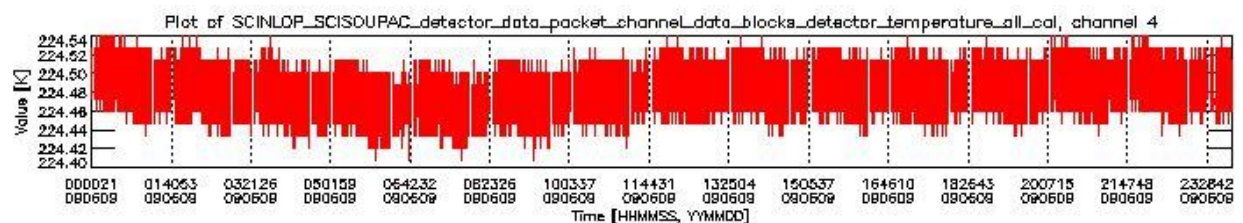
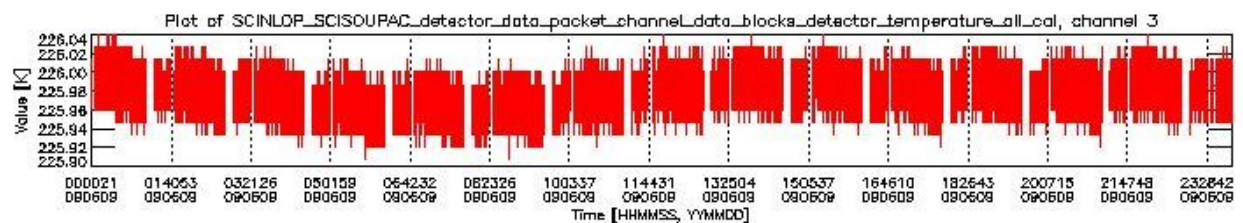
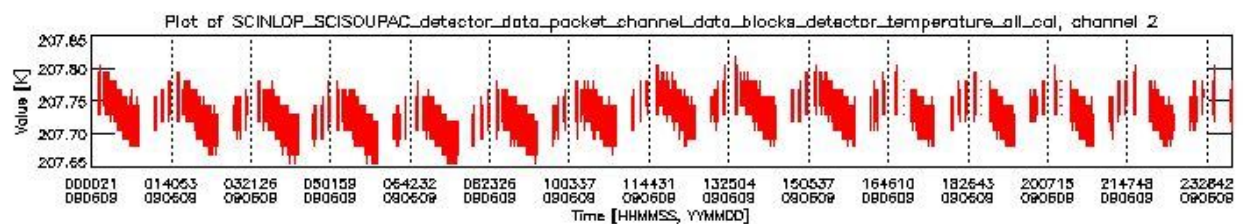
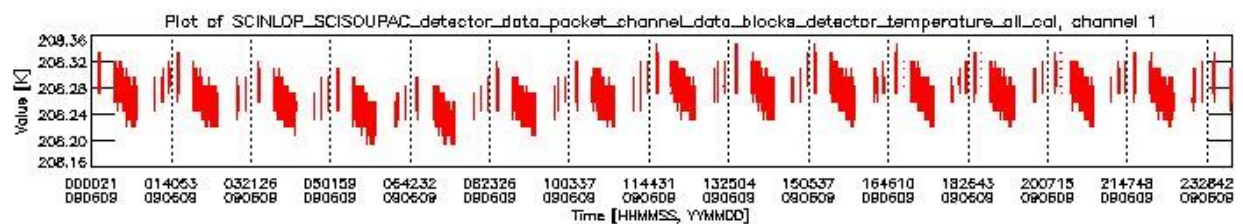
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20090609_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090609_3.PNG

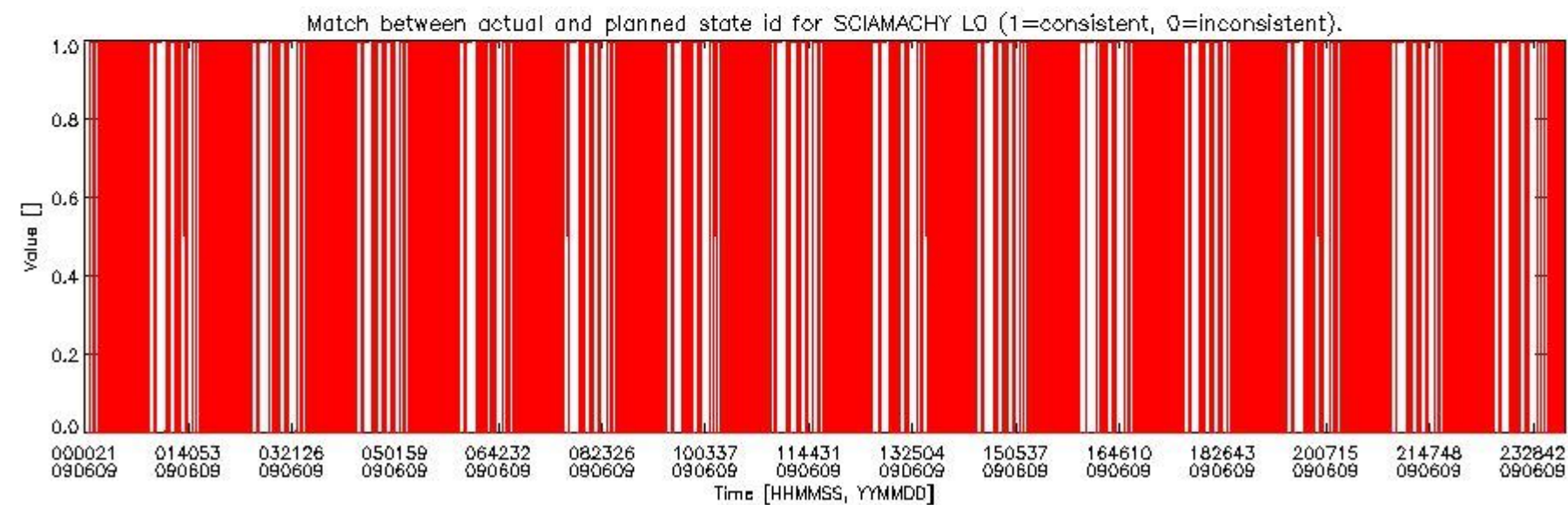
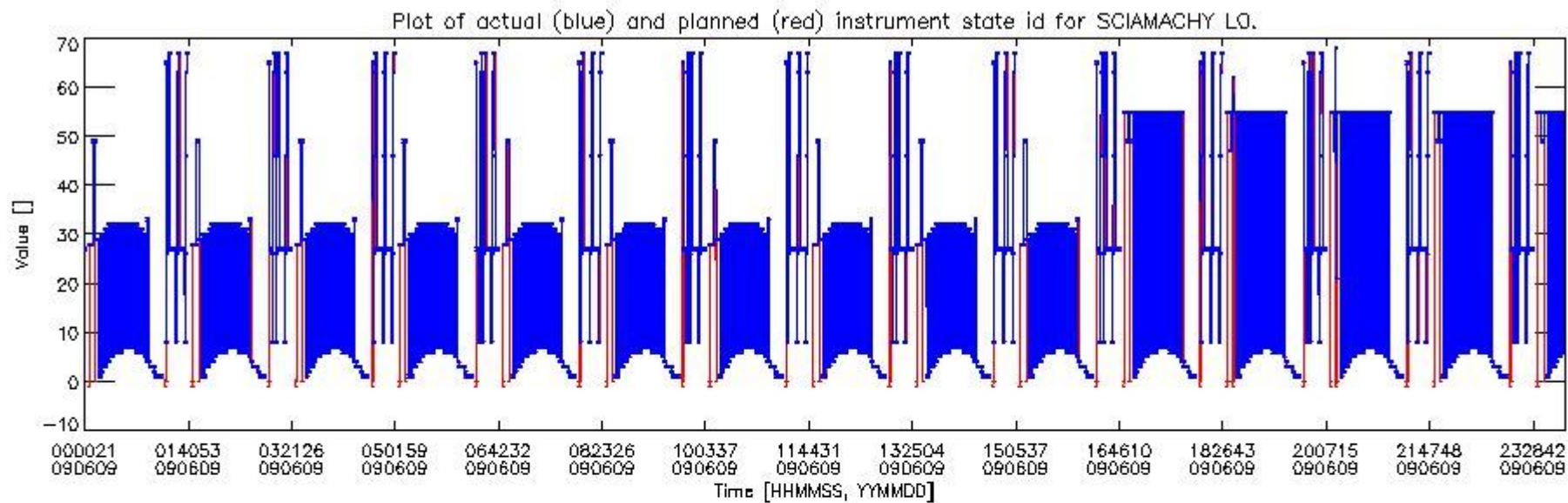


0.3 State monitoring

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: **38179**

#	Actual time	Actual value	Planned time	Planned value
0	09JUN2009 00:04:34.512130	28	09JUN2009 00:04:34.512130	0
1	09JUN2009 00:04:35.137112	28	09JUN2009 00:04:35.137112	0
2	09JUN2009 00:04:35.512125	28	09JUN2009 00:04:35.512125	0
3	09JUN2009 00:04:35.887138	28	09JUN2009 00:04:35.887138	0
4	09JUN2009 00:04:36.449637	28	09JUN2009 00:04:36.449637	0
5	09JUN2009 00:04:36.824610	28	09JUN2009 00:04:36.824610	0
6	09JUN2009 00:04:37.199623	28	09JUN2009 00:04:37.199623	0
7	09JUN2009 00:04:37.574636	28	09JUN2009 00:04:37.574636	0
8	09JUN2009 00:04:38.137136	28	09JUN2009 00:04:38.137136	0
9	09JUN2009 00:04:38.512108	28	09JUN2009 00:04:38.512108	0
10	09JUN2009 00:04:38.887121	28	09JUN2009 00:04:38.887121	0
11	09JUN2009 00:04:39.262134	28	09JUN2009 00:04:39.262134	0
12	09JUN2009 00:04:39.512143	28	09JUN2009 00:04:39.512143	0
13	09JUN2009 00:04:39.824634	28	09JUN2009 00:04:39.824634	0
14	09JUN2009 00:04:40.199647	28	09JUN2009 00:04:40.199647	0
15	09JUN2009 00:04:40.574620	28	09JUN2009 00:04:40.574620	0
16	09JUN2009 00:04:40.949633	28	09JUN2009 00:04:40.949633	0
17	09JUN2009 00:04:41.512132	28	09JUN2009 00:04:41.512132	0
18	09JUN2009 00:04:41.887145	28	09JUN2009 00:04:41.887145	0
19	09JUN2009 00:04:42.262118	28	09JUN2009 00:04:42.262118	0

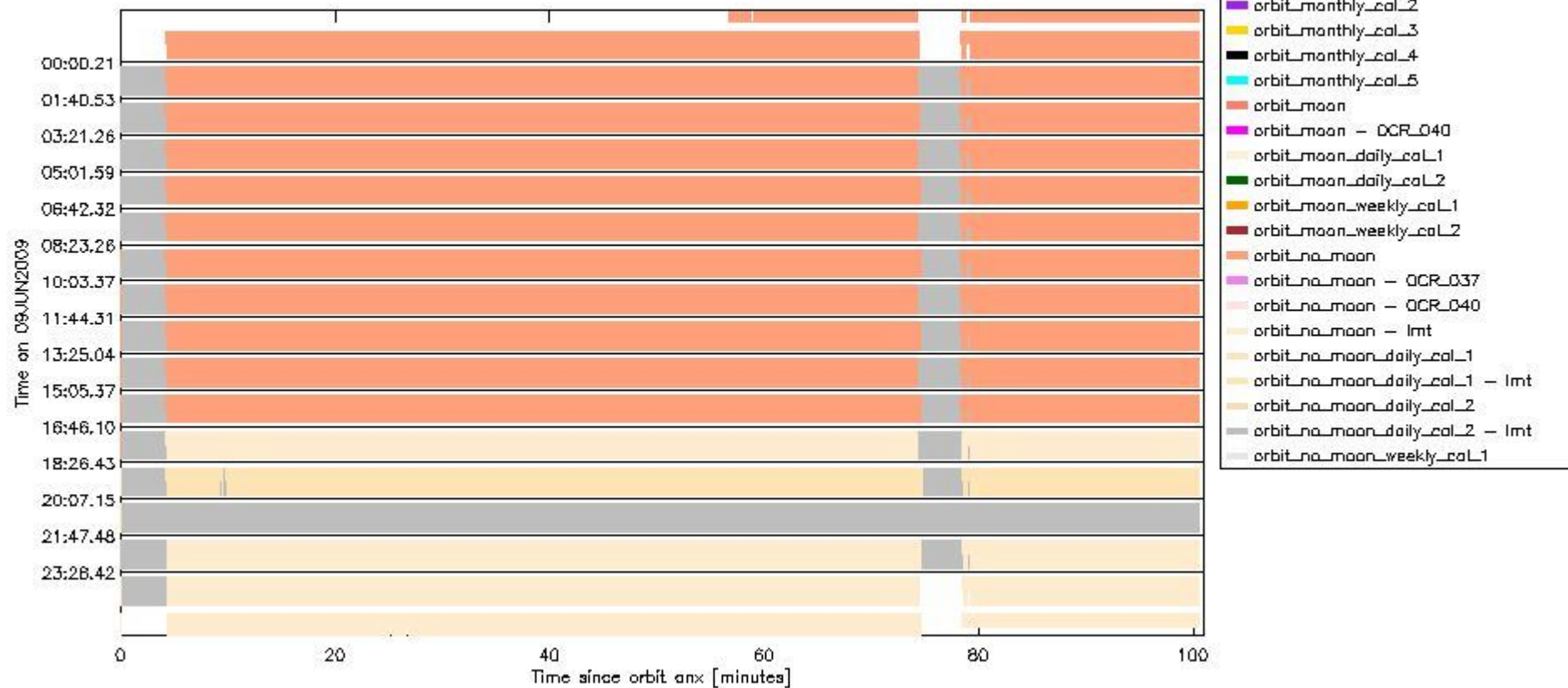


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090609_5.PNG

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 09JUN2009.
 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_20090609_6.PNG

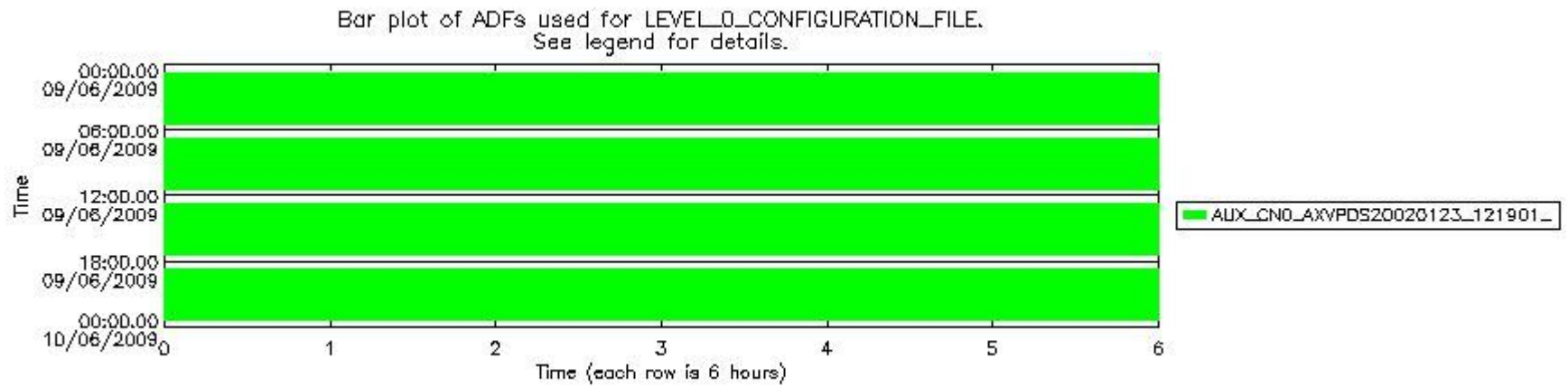
0.4 ADF monitoring

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

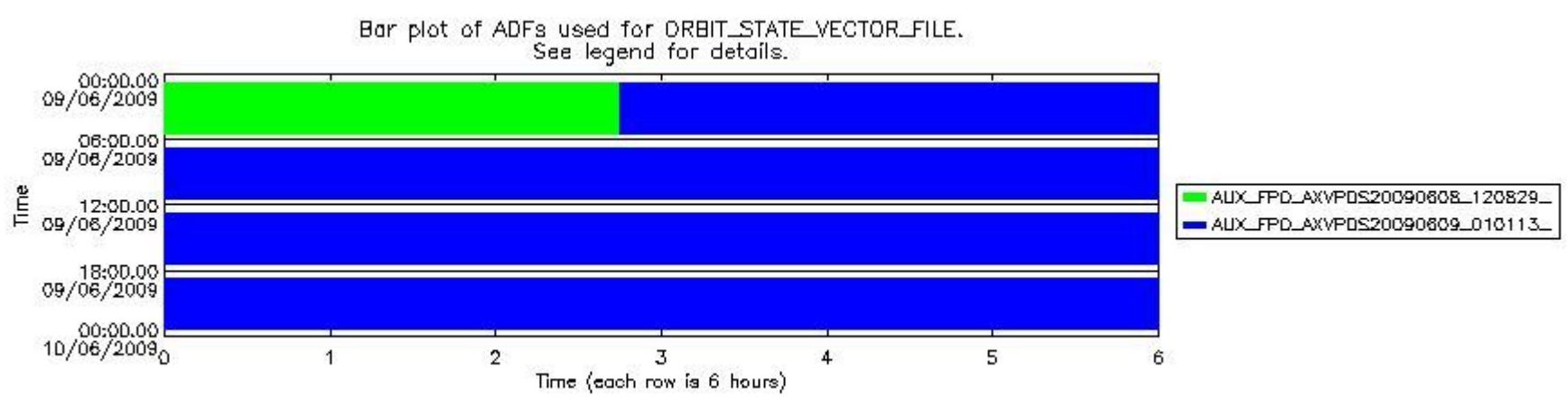
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

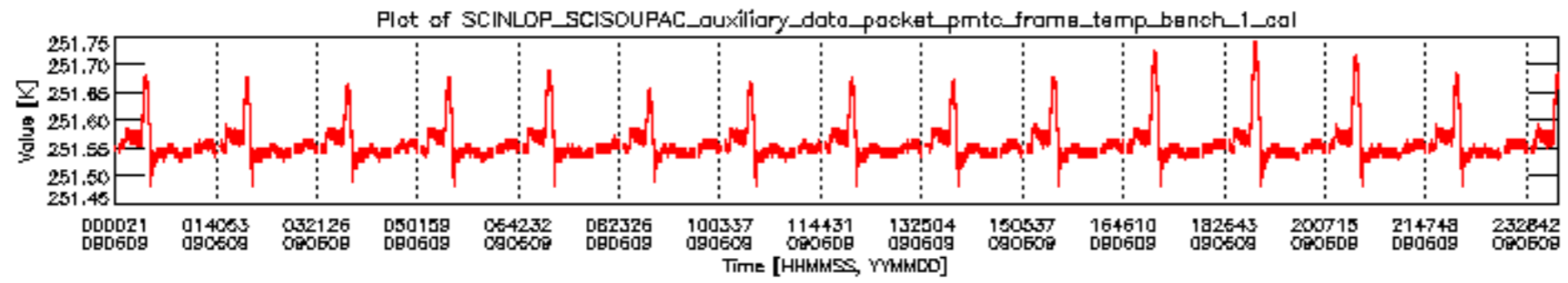
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090608_120829_20090607_193002_20090617_205616
2	AUX_FPO_AXVPDS20090609_010113_20090608_185825_20090618_202439

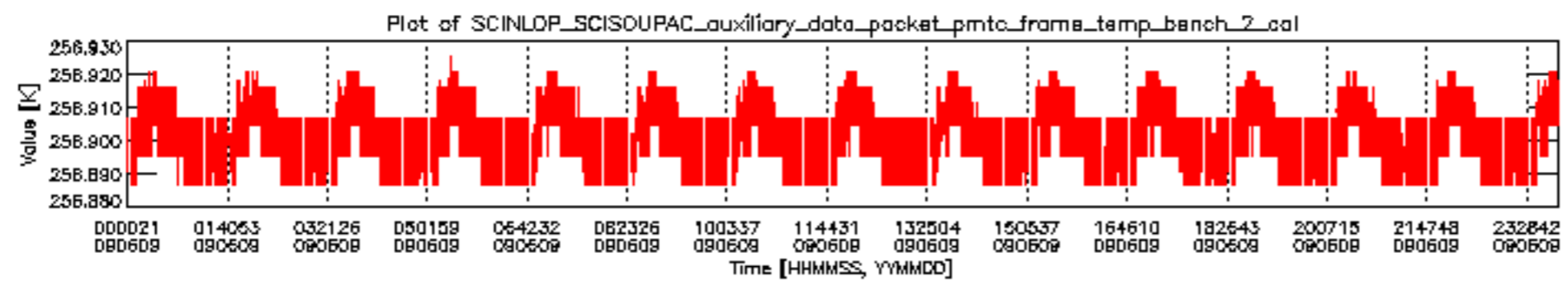


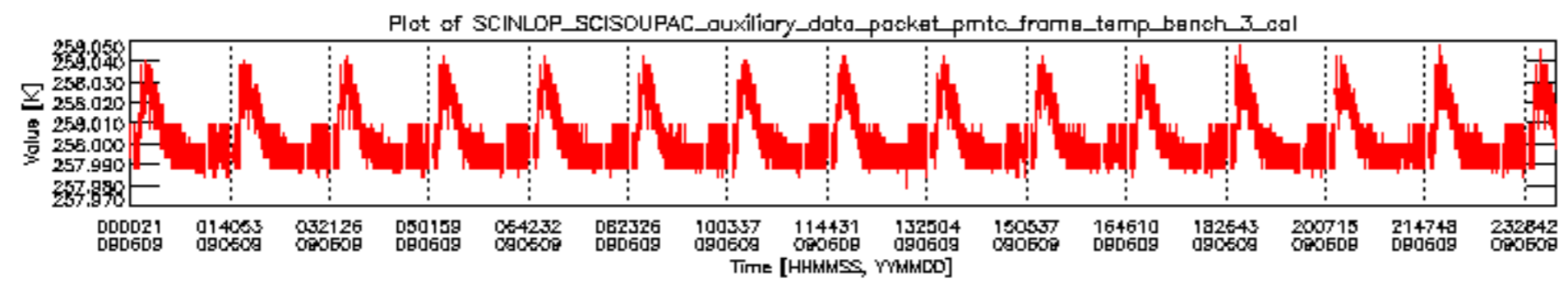
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090609_7.PNG

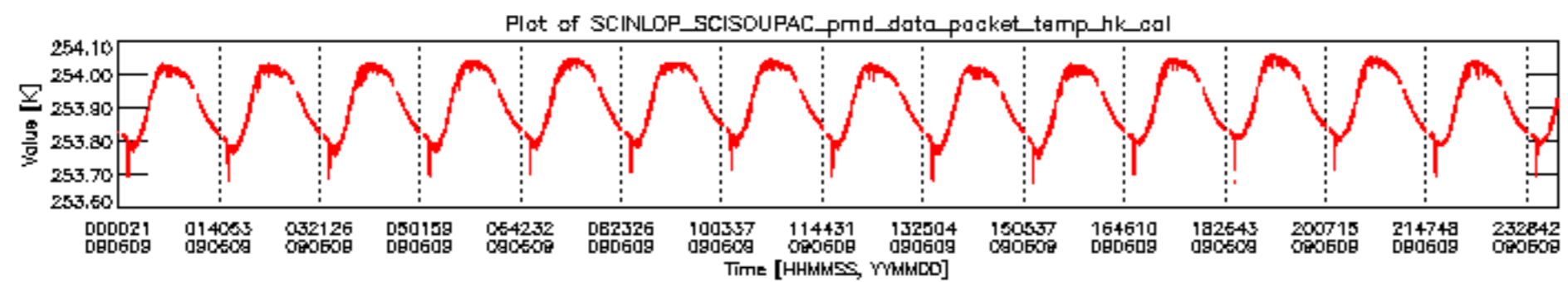


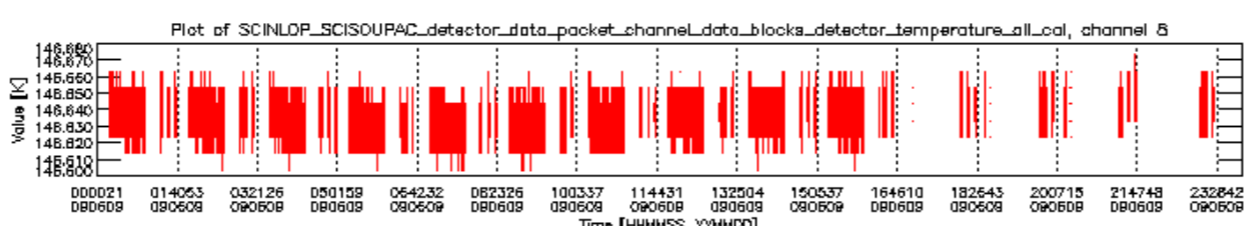
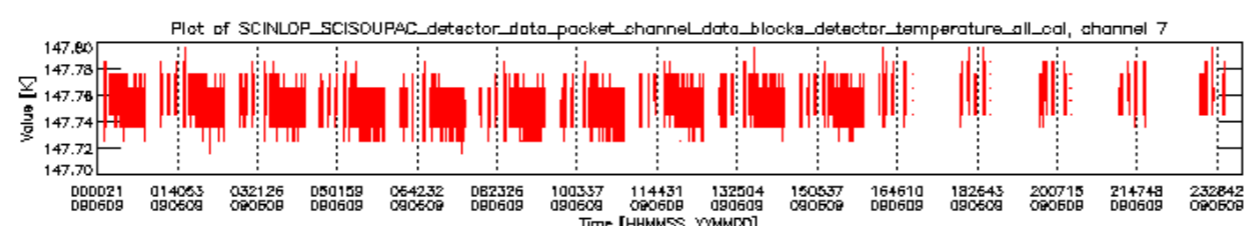
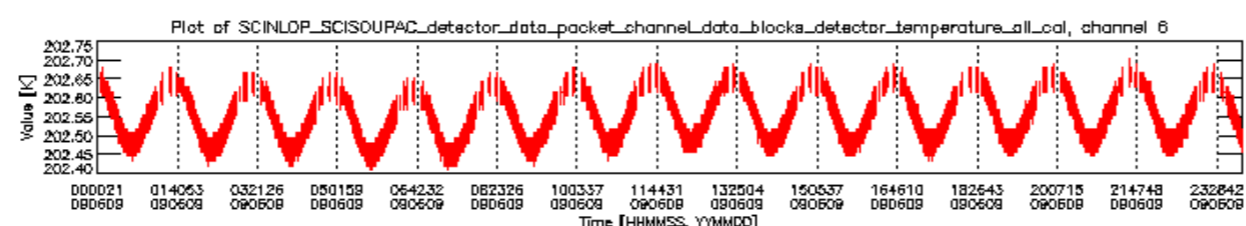
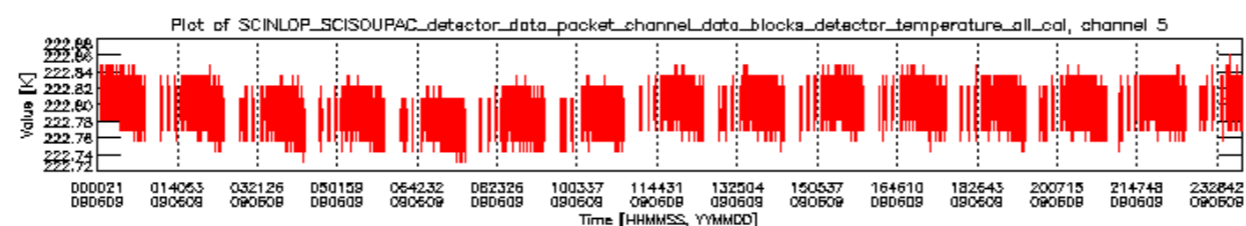
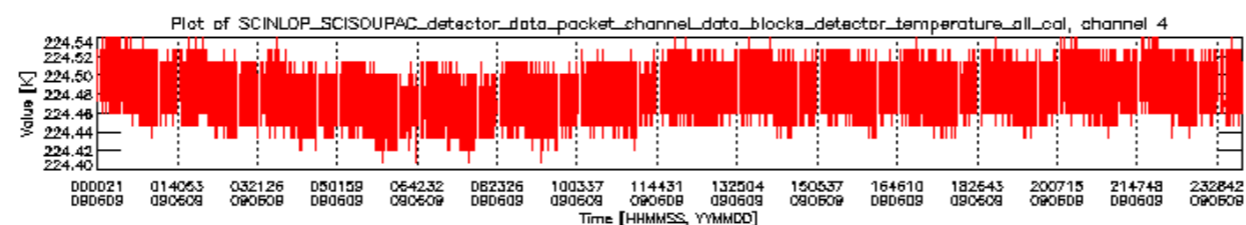
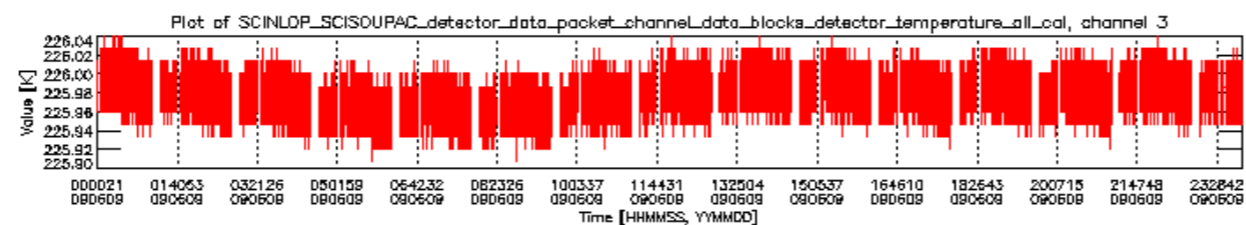
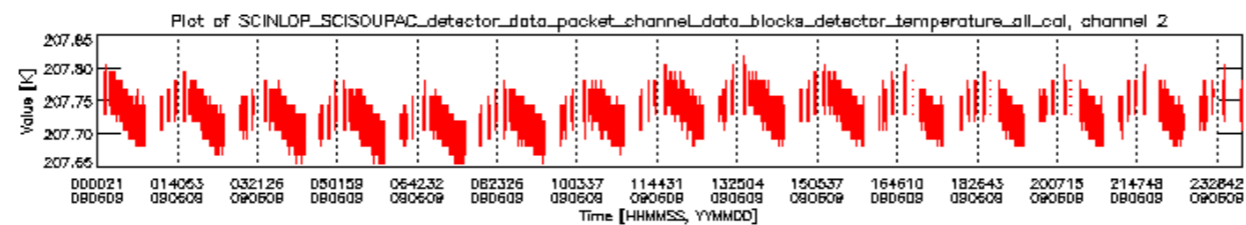
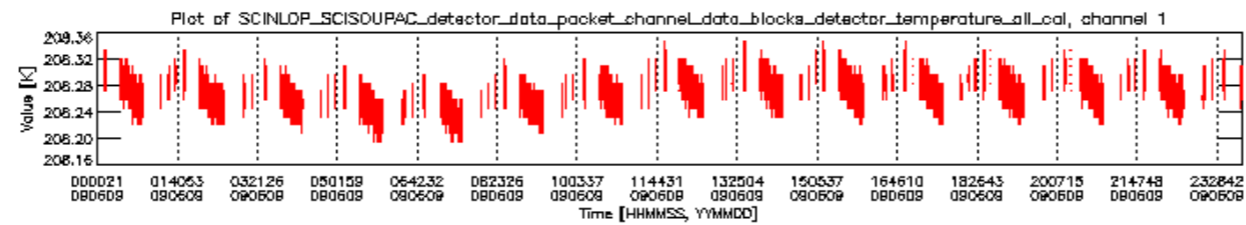
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090609_8.PNG











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