

0. SCIAMACHY Daily Report for level 0 products

[0.1 General Info](#)

[0.2 Product Quality Indicators](#)

[0.3 State monitoring](#)

[0.4 ADF monitoring](#)

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	06SEP2008 05:40:36
Data source version	KSPT_L0/4303-N
Processing scope for products	02SEP2008 00:00:00 to 03SEP2008 00:00:00
Start time of first product within scope	01SEP2008 23:47:59
Stop time of last product within scope	03SEP2008 00:57:45
Total number of level 0 products	16
Number of level 0 products with errors	8

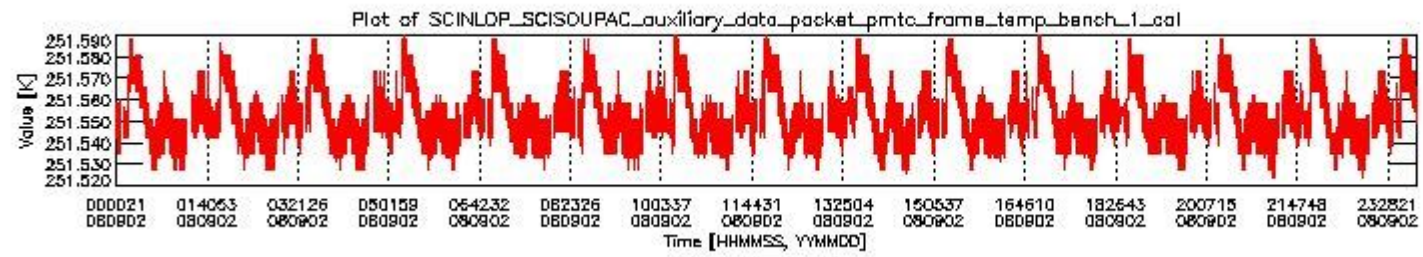
0.1.2 Summary per product

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

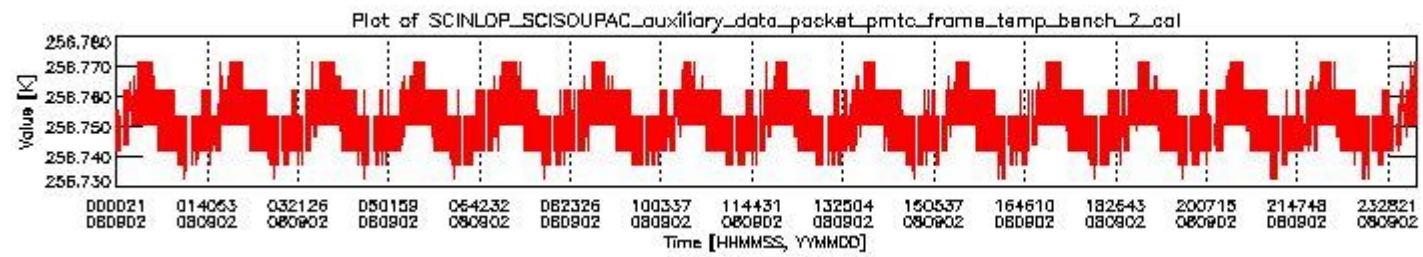
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080901_234759_000059042071_00402_34023_7429.N1	01SEP2008 23:47:59	02SEP2008 01:26:23	0	0	0	0	0
1	SCI_NL__OPNPDE20080902_012623_000047612071_00403_34024_7430.N1	02SEP2008 01:26:23	02SEP2008 02:45:44	0	0	0	0	0
2	SCI_NL__OPNPDE20080902_024448_000058432071_00404_34025_7431.N1	02SEP2008 02:44:48	02SEP2008 04:22:11	0	0	0	0	0
3	SCI_NL__OPNPDE20080902_042103_000061052071_00405_34026_7432.N1	02SEP2008 04:21:03	02SEP2008 06:02:48	0	0	0	0	0
4	SCI_NL__OPNPDK20080902_060152_000041572071_00406_34027_9212.N1	02SEP2008 06:01:52	02SEP2008 07:11:09	1	1	0	0	1
5	SCI_NL__OPNPDK20080902_071109_000061052071_00407_34028_9214.N1	02SEP2008 07:11:09	02SEP2008 08:52:54	1	1	0	0	0
6	SCI_NL__OPNPDK20080902_085254_000059682071_00408_34029_9215.N1	02SEP2008 08:52:54	02SEP2008 10:32:22	1	1	0	0	0
7	SCI_NL__OPNPDK20080902_103126_000059802071_00409_34030_9216.N1	02SEP2008 10:31:26	02SEP2008 12:11:07	1	1	0	0	0
8	SCI_NL__OPNPDK20080902_120958_000060362071_00410_34031_9217.N1	02SEP2008 12:09:58	02SEP2008 13:50:34	0	0	0	0	0
9	SCI_NL__OPNPDK20080902_135034_000058562071_00411_34032_9218.N1	02SEP2008 13:50:34	02SEP2008 15:28:11	1	1	0	0	0
10	SCI_NL__OPNPDK20080902_152702_000058442071_00412_34033_9219.N1	02SEP2008 15:27:02	02SEP2008 17:04:25	1	1	0	0	0
11	SCI_NL__OPNPDK20080902_170234_000060562071_00413_34034_9220.N1	02SEP2008 17:02:34	02SEP2008 18:43:30	1	1	0	0	1
12	SCI_NL__OPNPDK20080902_184234_000060362071_00414_34035_9222.N1	02SEP2008 18:42:34	02SEP2008 20:23:10	1	1	1	0	0
13	SCI_NL__OPNPDE20080902_202134_000044982071_00415_34036_7433.N1	02SEP2008 20:21:34	02SEP2008 21:36:32	0	0	0	0	0
14	SCI_NL__OPNPDE20080902_213340_000062522071_00415_34036_7434.N1	02SEP2008 21:33:40	02SEP2008 23:17:52	0	0	0	0	0
15	SCI_NL__OPNPDE20080902_231629_000060762071_00416_34037_7435.N1	02SEP2008 23:16:29	03SEP2008 00:57:45	0	0	0	0	0

0.2 Product Quality Indicators

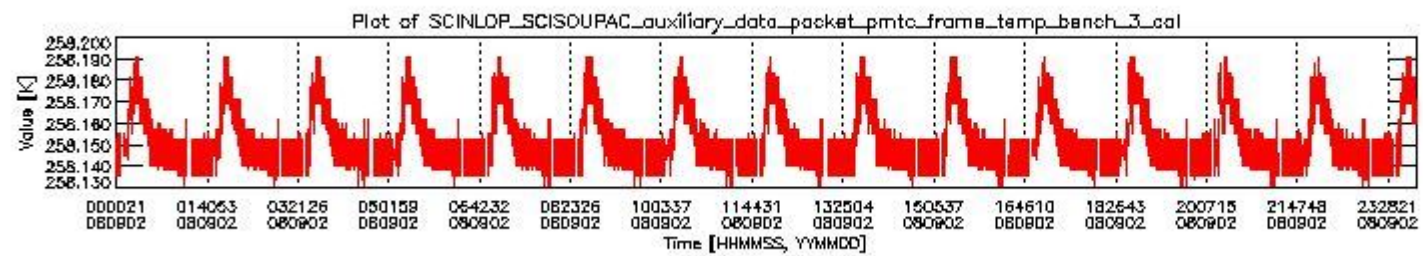
This section shows information about product quality, currently temperatures.



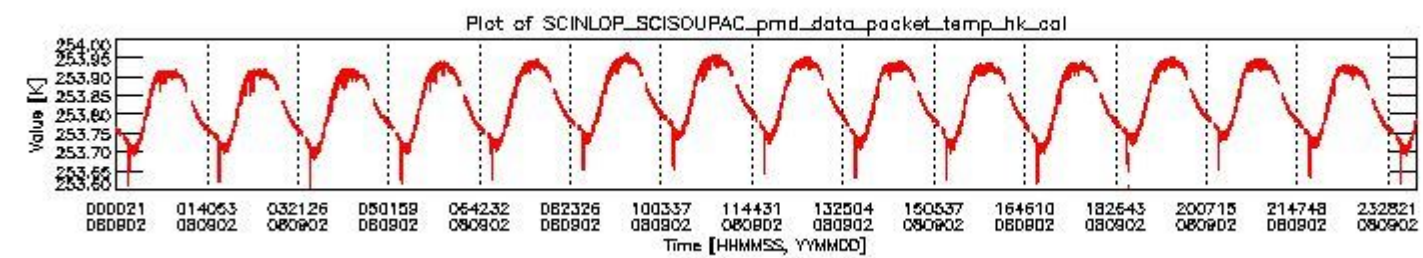
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080902_0.PNG



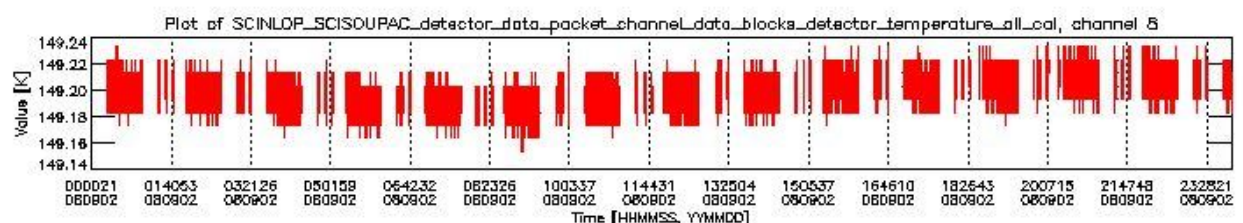
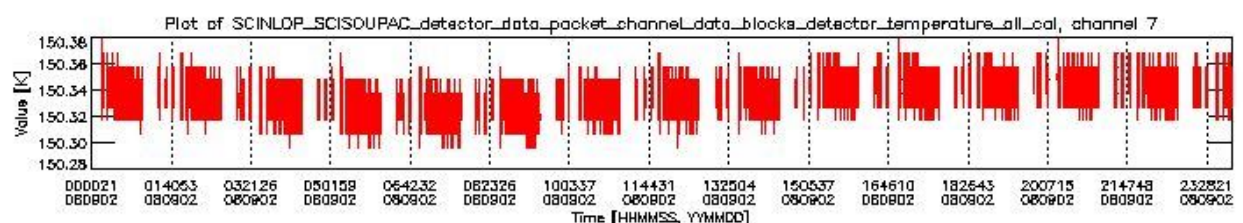
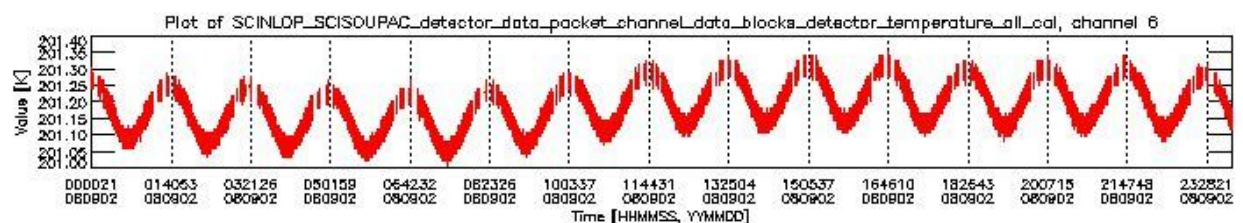
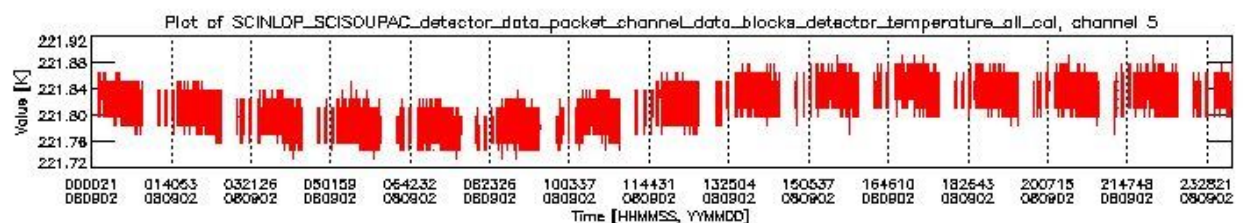
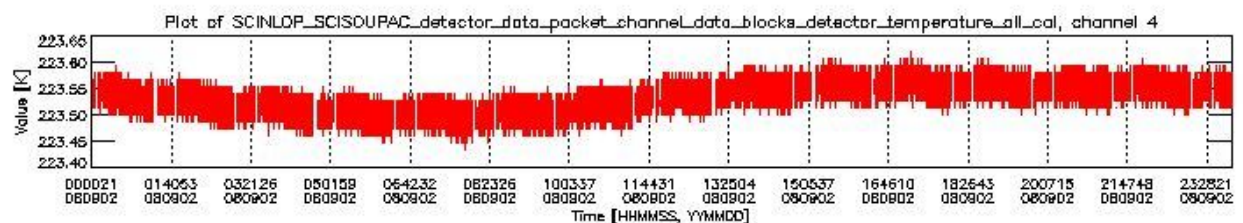
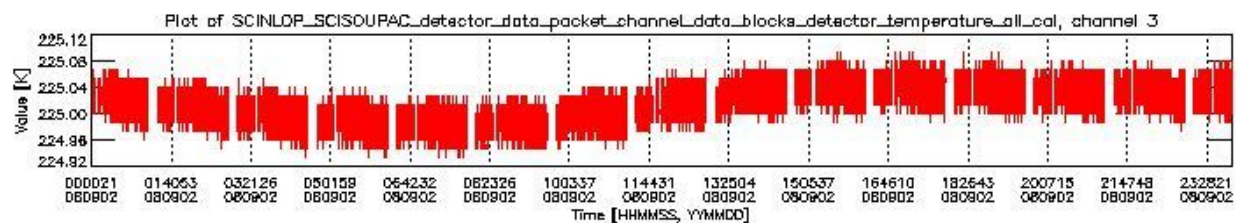
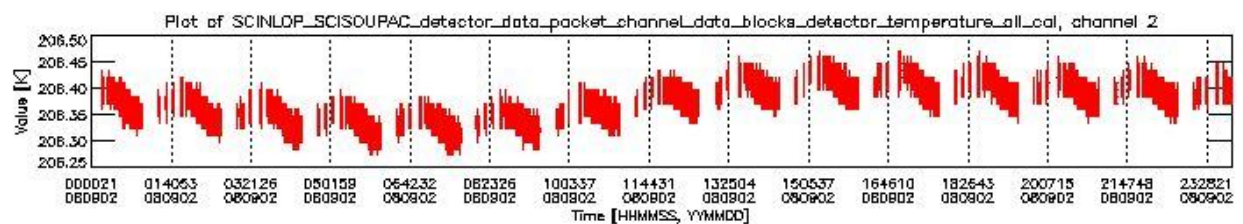
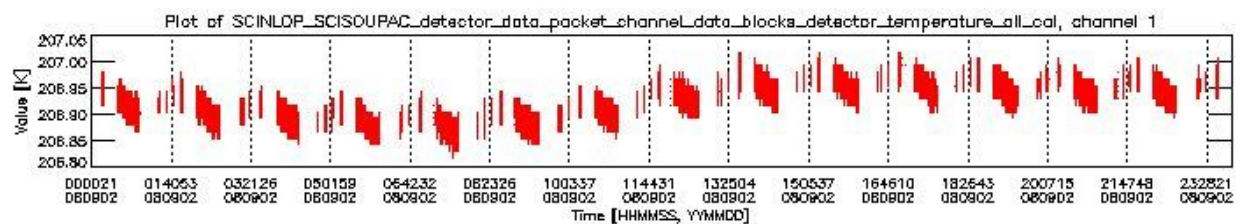
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080902_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080902_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080902_3.PNG

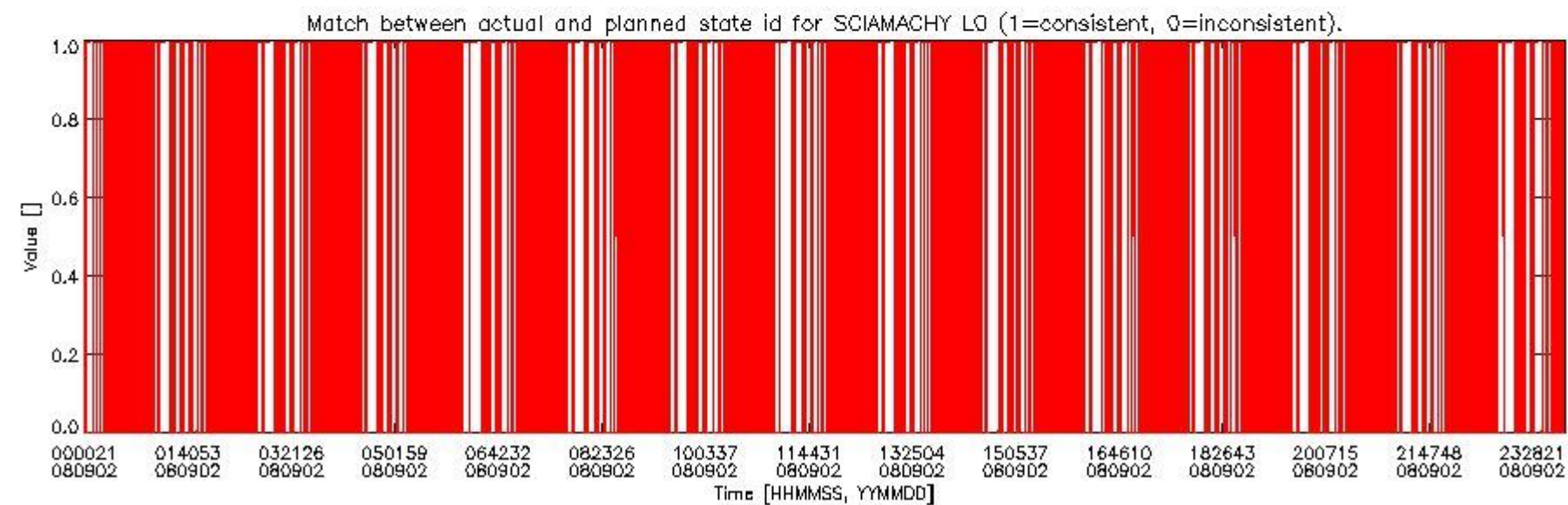
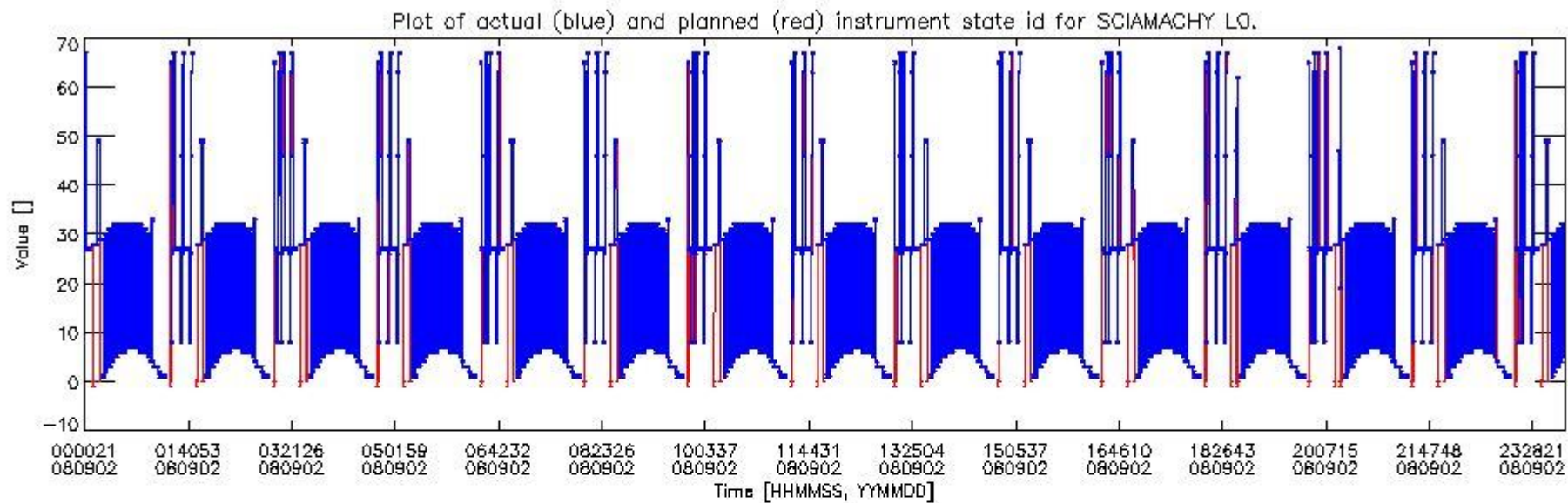


0.3 State monitoring

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: **50402**

#	Actual time	Actual value	Planned time	Planned value
0	02SEP2008 00:00:03.487931	67	02SEP2008 00:00:03.487931	63
1	02SEP2008 00:00:03.737940	67	02SEP2008 00:00:03.737940	63
2	02SEP2008 00:00:03.862944	67	02SEP2008 00:00:03.862944	63
3	02SEP2008 00:00:03.987949	67	02SEP2008 00:00:03.987949	63
4	02SEP2008 00:00:04.112953	67	02SEP2008 00:00:04.112953	63
5	02SEP2008 00:00:04.237957	67	02SEP2008 00:00:04.237957	63
6	02SEP2008 00:00:04.362962	67	02SEP2008 00:00:04.362962	63
7	02SEP2008 00:00:04.487966	67	02SEP2008 00:00:04.487966	63
8	02SEP2008 00:00:04.612930	67	02SEP2008 00:00:04.612930	63
9	02SEP2008 00:00:04.737934	67	02SEP2008 00:00:04.737934	63
10	02SEP2008 00:00:04.862939	67	02SEP2008 00:00:04.862939	63
11	02SEP2008 00:00:04.987943	67	02SEP2008 00:00:04.987943	63
12	02SEP2008 00:00:05.112948	67	02SEP2008 00:00:05.112948	63
13	02SEP2008 00:00:05.237952	67	02SEP2008 00:00:05.237952	63
14	02SEP2008 00:00:05.362956	67	02SEP2008 00:00:05.362956	63
15	02SEP2008 00:00:05.487961	67	02SEP2008 00:00:05.487961	63
16	02SEP2008 00:00:05.612965	67	02SEP2008 00:00:05.612965	63
17	02SEP2008 00:00:05.737929	67	02SEP2008 00:00:05.737929	63
18	02SEP2008 00:00:05.862933	67	02SEP2008 00:00:05.862933	63
19	02SEP2008 00:00:05.987938	67	02SEP2008 00:00:05.987938	63

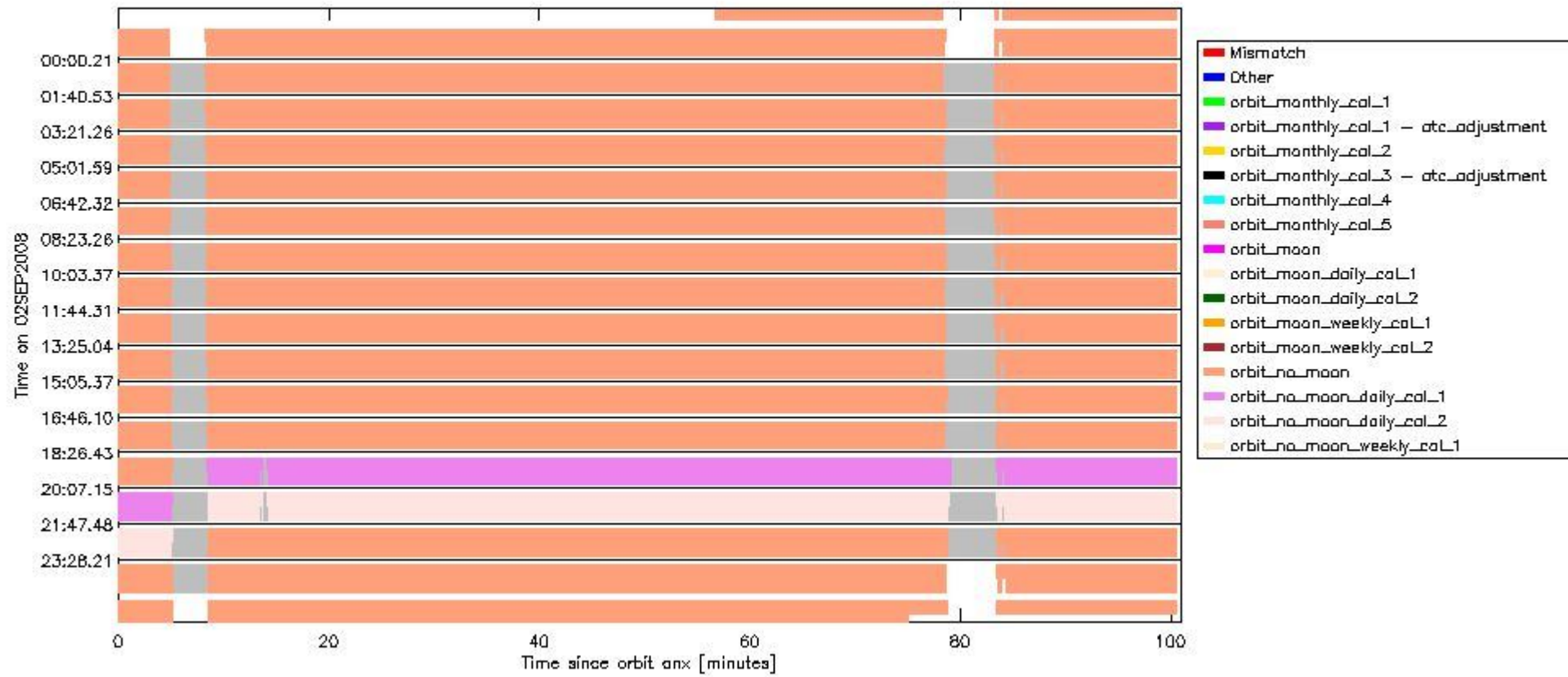


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080902_5.PNG

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 Q2SEP2008.
 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_20080902_6.PNG

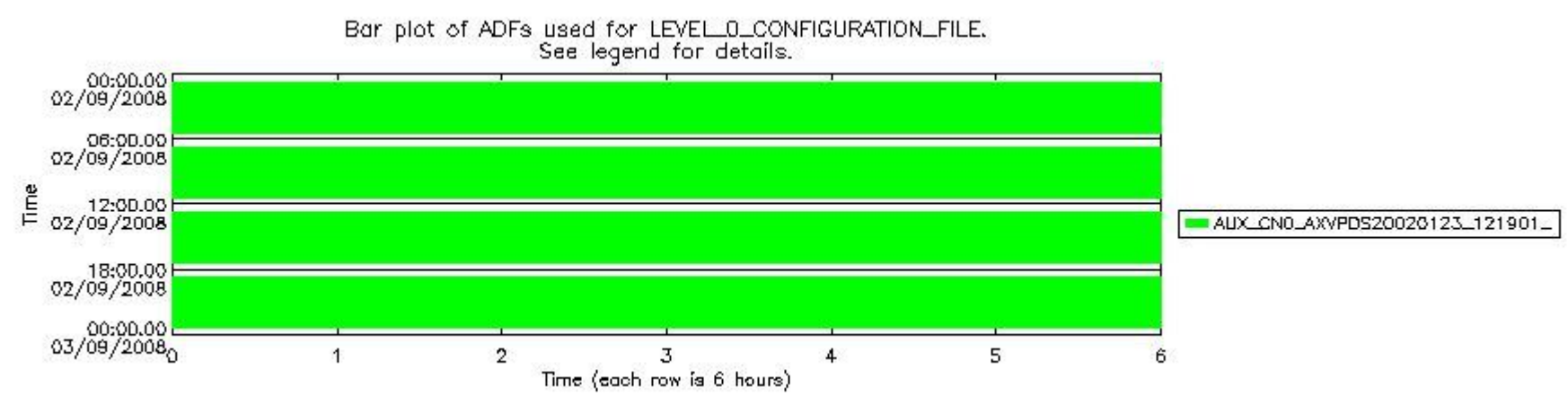
0.4 ADF monitoring

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

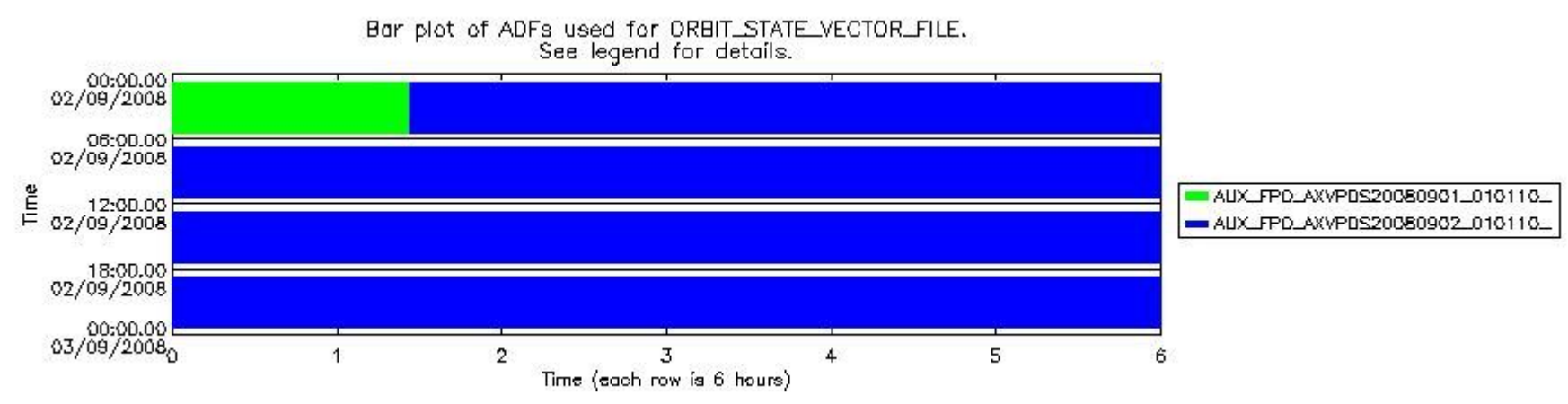
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

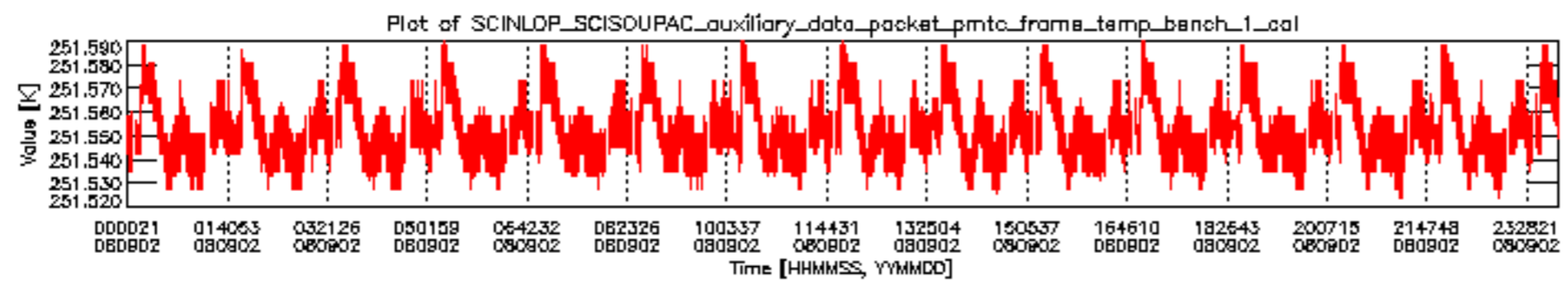
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080901_010110_20080831_193001_20080910_205613
2	AUX_FPO_AXVPDS20080902_010110_20080901_185824_20080911_202436

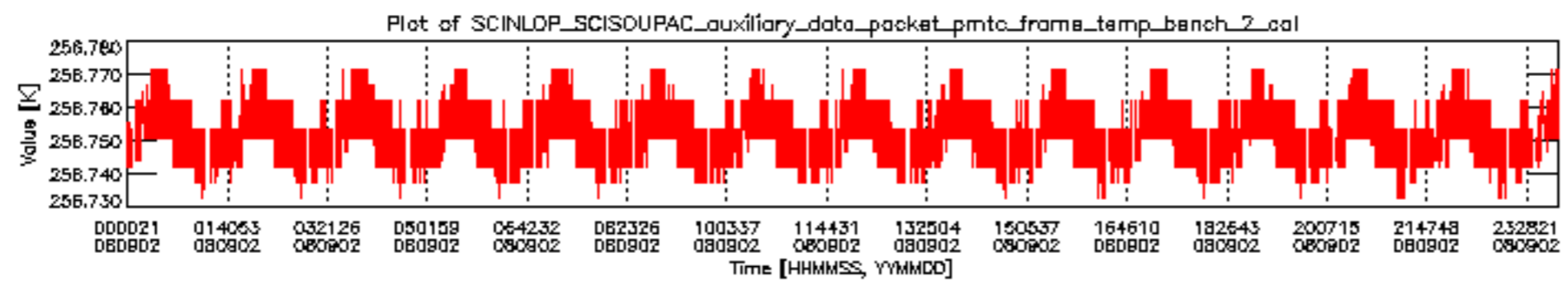


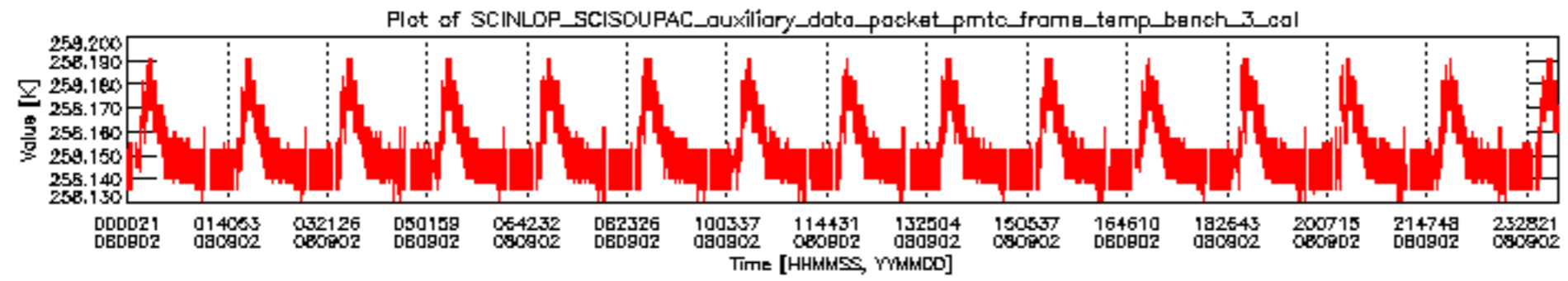
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080902_7.PNG

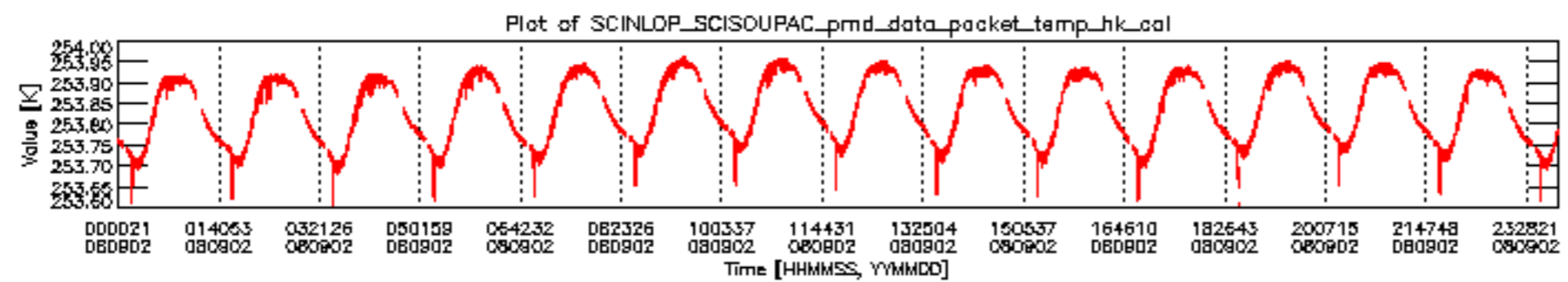


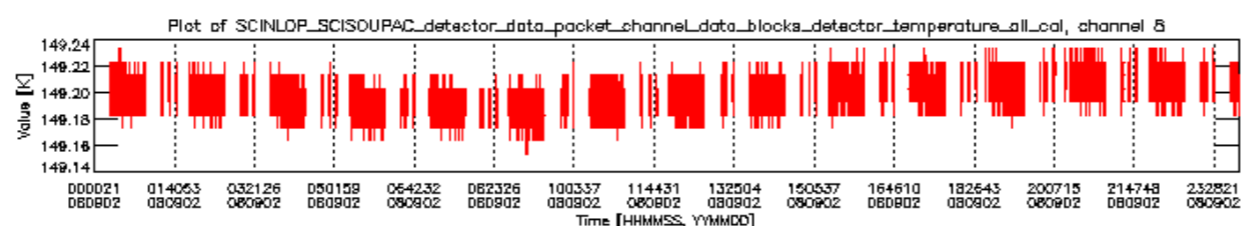
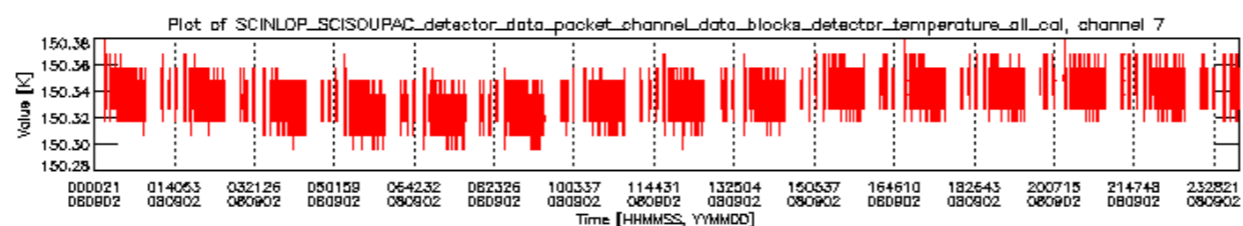
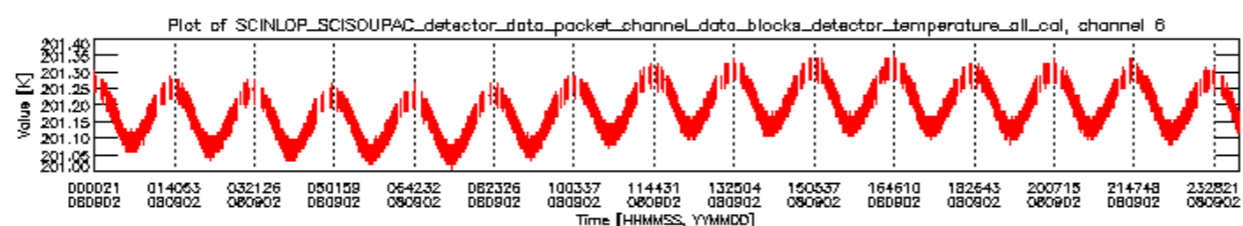
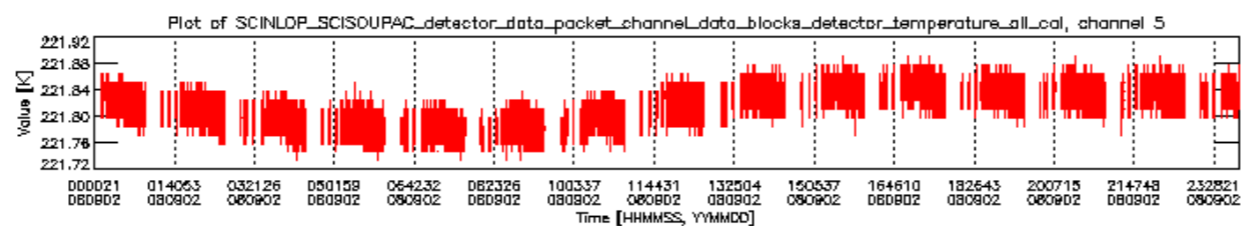
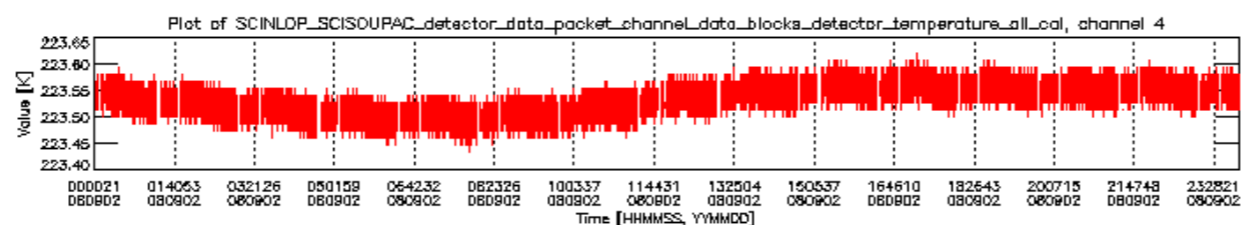
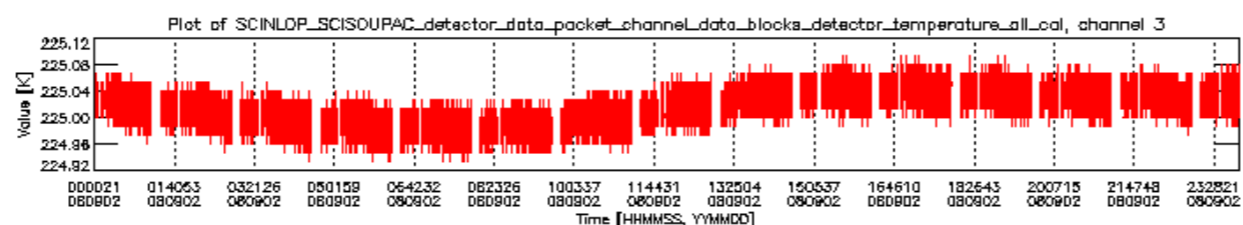
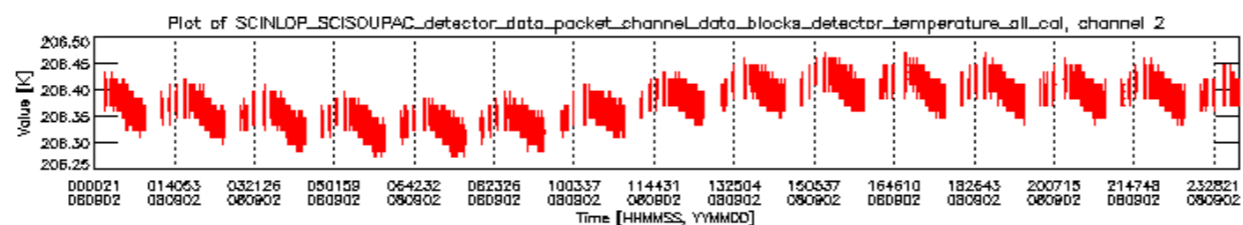
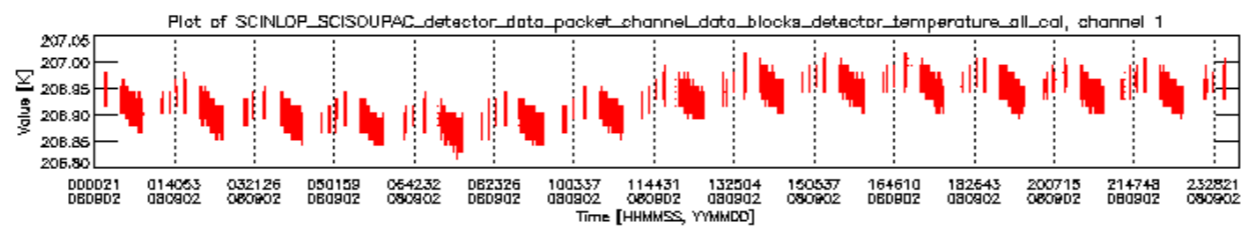
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080902_8.PNG











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 02SEP2008.
 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.

