

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	06SEP2006 05:32:57
Data source version	PFHS/5.37-N
Processing scope for products	02SEP2006 00:00:00 to 03SEP2006 00:00:00
Start time of first product within scope	01SEP2006 23:21:23
Stop time of last product within scope	03SEP2006 00:30:45
Total number of level 0 products	16
Number of level 0 products with errors	16

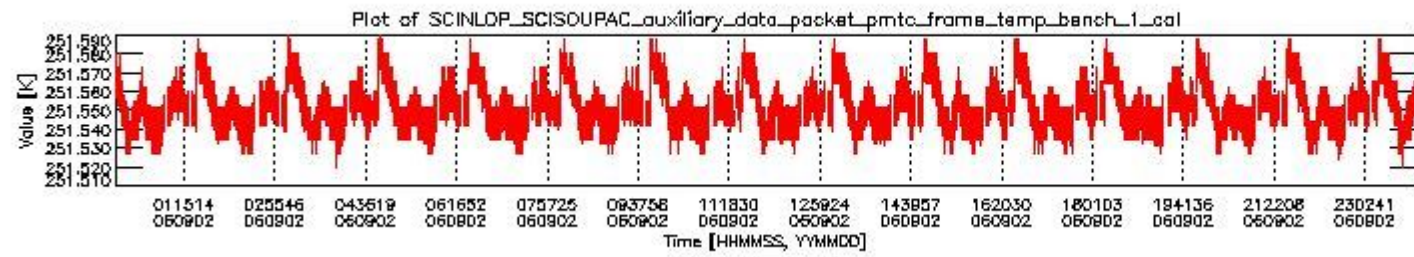
0.1.2 Summary per product

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

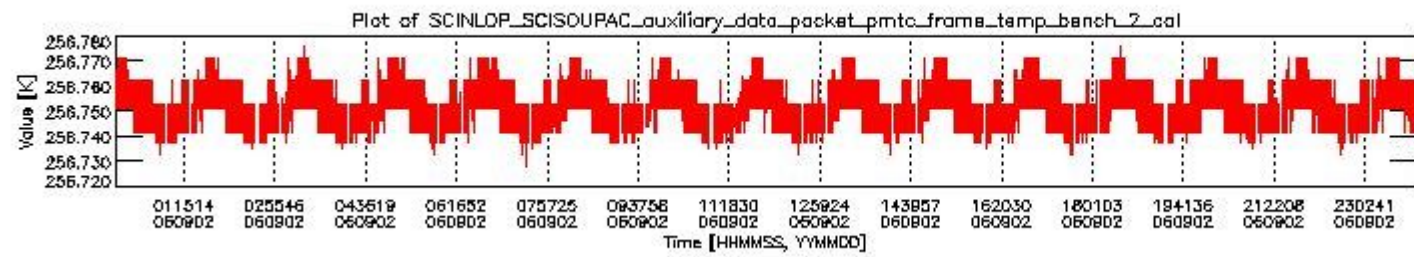
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20060901_232123_000060842050_00459_23559_0489.N1	01SEP2006 23:21:23	02SEP2006 01:02:48	1	0	1	0	0
1	SCI_NL__OPNPDE20060902_010215_000043442050_00460_23560_0490.N1	02SEP2006 01:02:15	02SEP2006 02:14:40	1	0	1	0	0
2	SCI_NL__OPNPDE20060902_021440_000060492050_00461_23561_0491.N1	02SEP2006 02:14:40	02SEP2006 03:55:29	1	0	1	0	0
3	SCI_NL__OPNPDE20060902_035529_000060232050_00462_23562_0492.N1	02SEP2006 03:55:29	02SEP2006 05:35:53	1	0	1	0	0
4	SCI_NL__OPNPDE20060902_053553_000061052050_00463_23563_0493.N1	02SEP2006 05:35:53	02SEP2006 07:17:38	1	0	1	0	0
5	SCI_NL__OPNPDK20060902_071738_000040452050_00464_23564_0608.N1	02SEP2006 07:17:38	02SEP2006 08:25:03	1	0	1	0	0
6	SCI_NL__OPNPDK20060902_082355_000061602050_00465_23565_0609.N1	02SEP2006 08:23:55	02SEP2006 10:06:35	1	0	1	0	0
7	SCI_NL__OPNPDK20060902_100635_000059112050_00466_23566_0610.N1	02SEP2006 10:06:35	02SEP2006 11:45:07	1	0	1	0	0
8	SCI_NL__OPNPDK20060902_114507_000059802050_00467_23567_0611.N1	02SEP2006 11:45:07	02SEP2006 13:24:48	1	0	1	0	0
9	SCI_NL__OPNPDK20060902_132448_000058432050_00468_23568_0612.N1	02SEP2006 13:24:48	02SEP2006 15:02:11	1	0	1	0	0
10	SCI_NL__OPNPDK20060902_150115_000059122050_00469_23569_0613.N1	02SEP2006 15:01:15	02SEP2006 16:39:47	1	0	1	0	0
11	SCI_NL__OPNPDK20060902_163851_000059062050_00470_23570_0614.N1	02SEP2006 16:38:51	02SEP2006 18:17:18	1	0	1	0	0
12	SCI_NL__OPNPDK20060902_181622_000059652050_00471_23571_0615.N1	02SEP2006 18:16:22	02SEP2006 19:55:47	1	0	1	0	0
13	SCI_NL__OPNPDE20060902_195350_000039412050_00472_23572_0495.N1	02SEP2006 19:53:50	02SEP2006 20:59:31	1	0	1	0	0
14	SCI_NL__OPNPDE20060902_210505_000063312050_00472_23572_0496.N1	02SEP2006 21:05:05	02SEP2006 22:50:37	1	0	1	0	0
15	SCI_NL__OPNPDE20060902_224830_000061342050_00473_23573_0497.N1	02SEP2006 22:48:30	03SEP2006 00:30:45	1	0	1	0	0

0.2 Product Quality Indicators

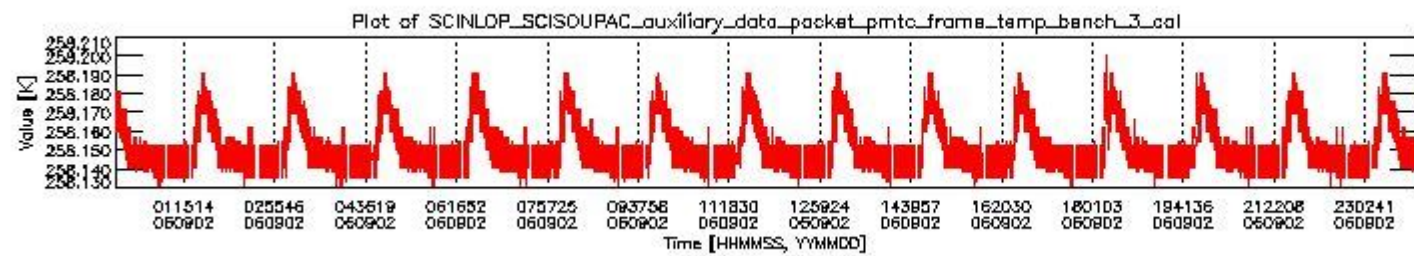
This section shows information about product quality, currently temperatures.



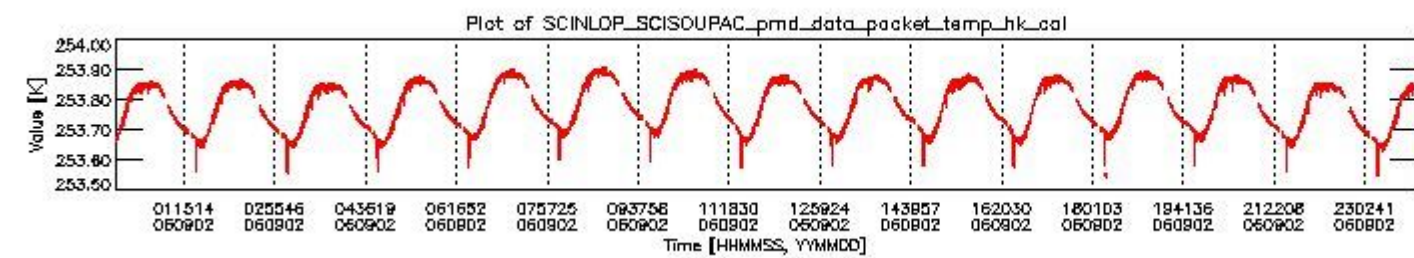
sciamachy_daily_report_level0_PPHS_5_37_N_20060902_0.PNG



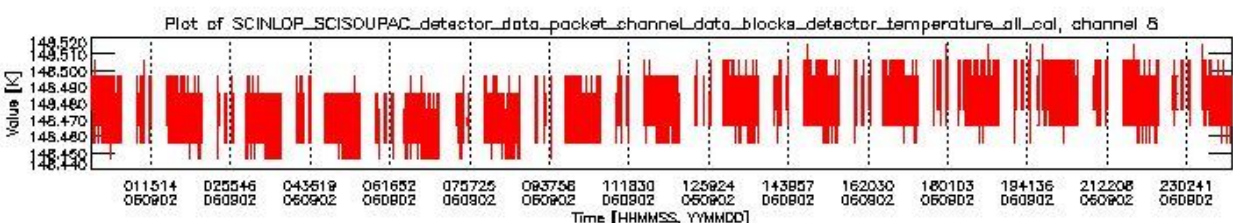
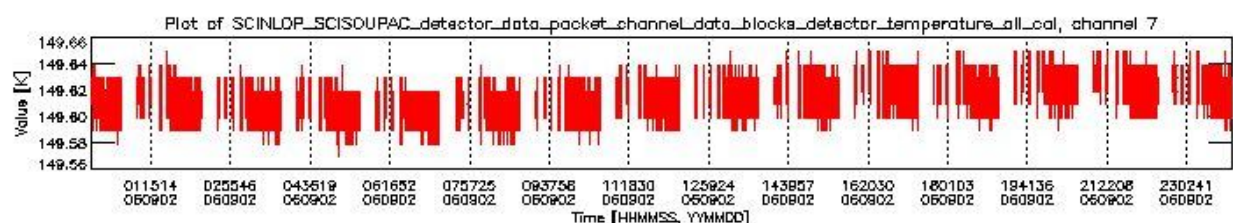
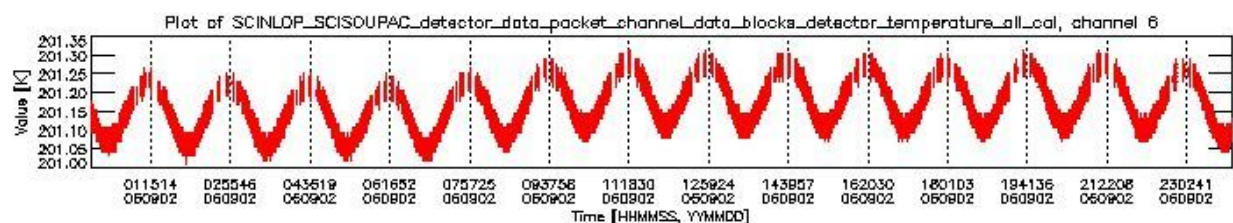
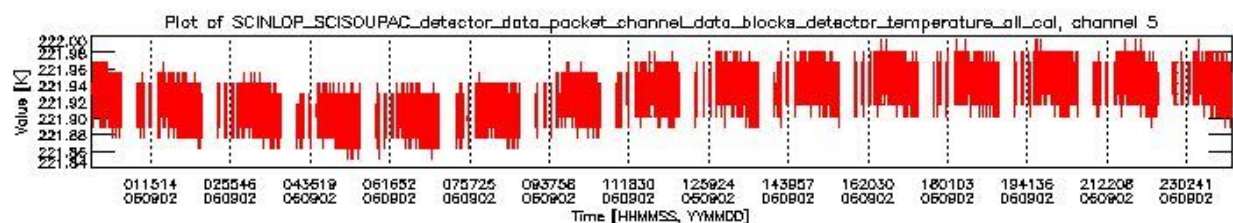
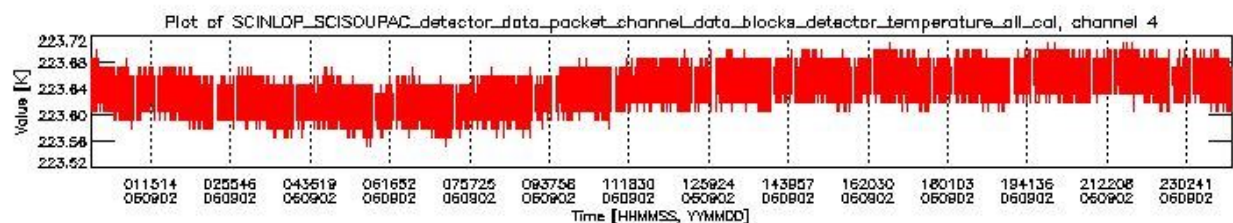
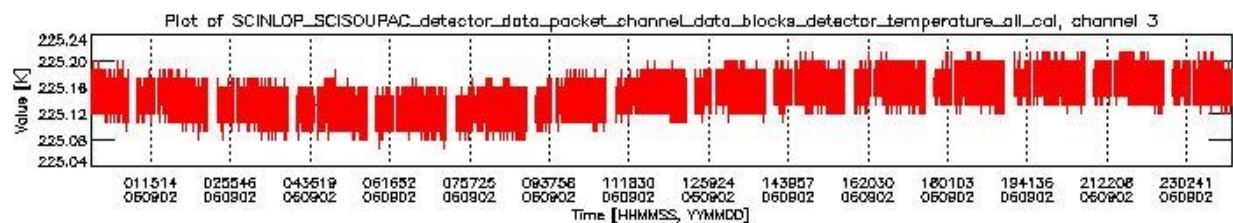
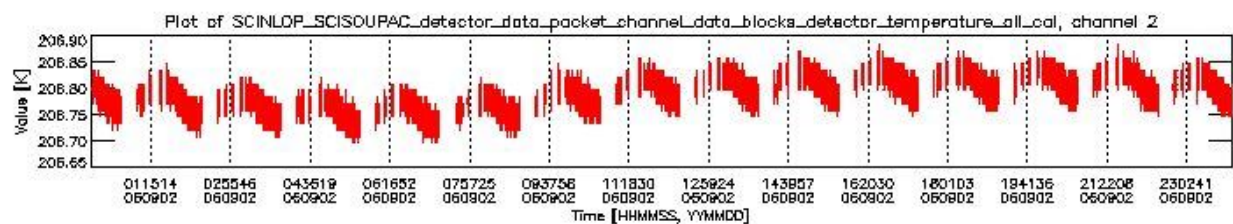
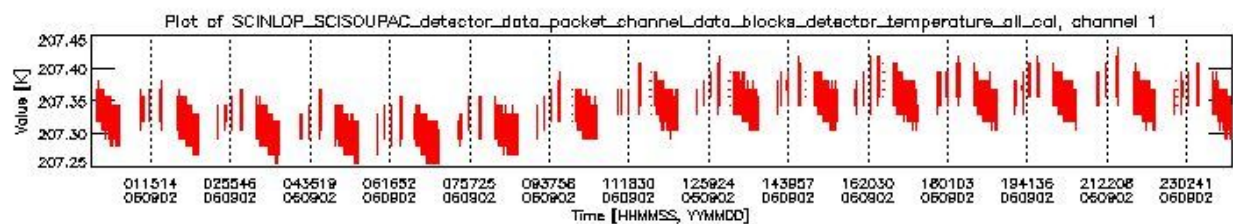
sciamachy_daily_report_level0_PPHS_5_37_N_20060902_1.PNG



sciamachy_daily_report_level0_PPHS_5_37_N_20060902_2.PNG



sciamachy_daily_report_level0_PPHS_5_37_N_20060902_3.PNG

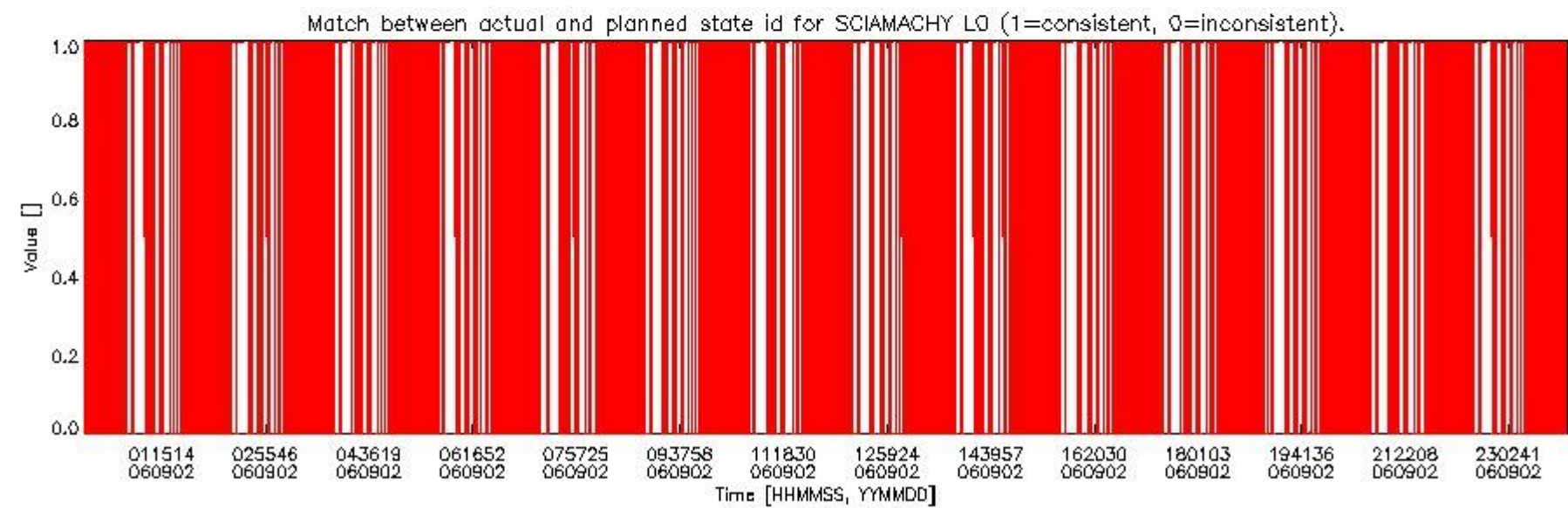
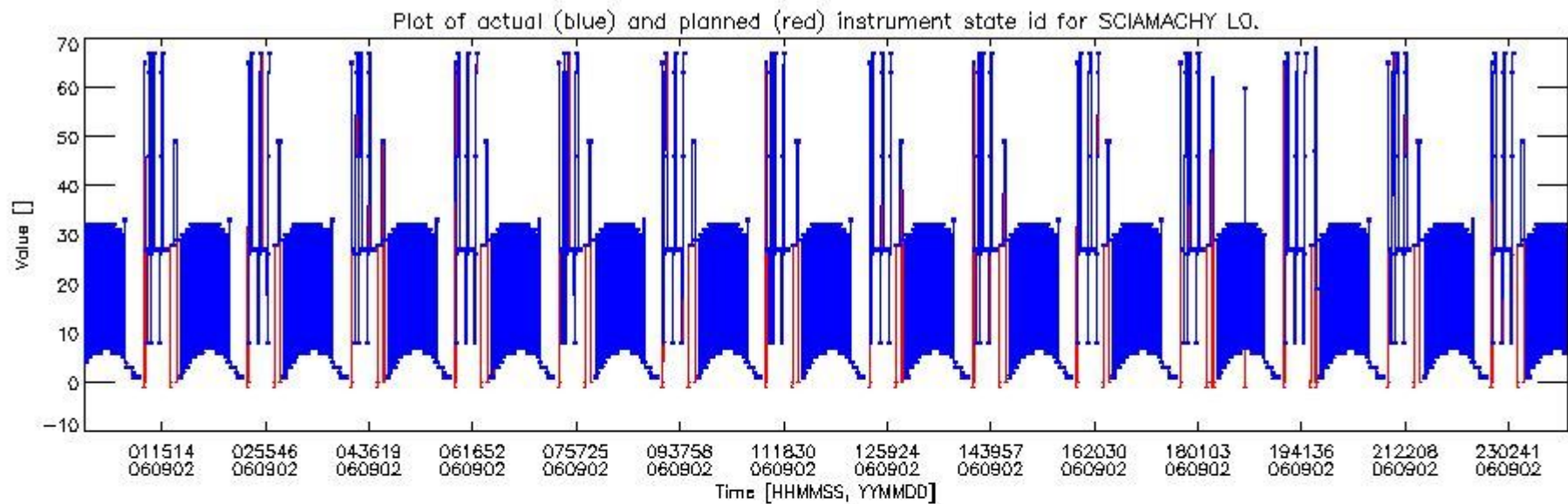


0.3 State monitoring

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: **7547**

#	Actual time	Actual value	Planned time	Planned value
0	02SEP2006 00:01:05.676489	32	02SEP2006 00:01:05.676489	4
1	02SEP2006 00:01:06.301511	32	02SEP2006 00:01:06.301511	4
2	02SEP2006 00:01:06.676484	32	02SEP2006 00:01:06.676484	4
3	02SEP2006 00:01:07.051497	32	02SEP2006 00:01:07.051497	4
4	02SEP2006 00:02:01.547601	4	02SEP2006 00:02:01.547601	32
5	02SEP2006 00:02:01.797609	4	02SEP2006 00:02:01.797609	32
6	02SEP2006 00:02:01.922573	4	02SEP2006 00:02:01.922573	32
7	02SEP2006 00:02:02.047578	4	02SEP2006 00:02:02.047578	32
8	02SEP2006 00:02:02.172582	4	02SEP2006 00:02:02.172582	32
9	02SEP2006 00:02:02.297587	4	02SEP2006 00:02:02.297587	32
10	02SEP2006 00:02:02.422591	4	02SEP2006 00:02:02.422591	32
11	02SEP2006 00:02:02.547595	4	02SEP2006 00:02:02.547595	32
12	02SEP2006 00:02:02.672600	4	02SEP2006 00:02:02.672600	32
13	02SEP2006 00:02:02.797604	4	02SEP2006 00:02:02.797604	32
14	02SEP2006 00:02:02.922608	4	02SEP2006 00:02:02.922608	32
15	02SEP2006 00:02:03.047572	4	02SEP2006 00:02:03.047572	32
16	02SEP2006 00:02:03.172577	4	02SEP2006 00:02:03.172577	32
17	02SEP2006 00:03:10.106191	32	02SEP2006 00:03:10.106191	4
18	02SEP2006 00:03:10.731172	32	02SEP2006 00:03:10.731172	4
19	02SEP2006 00:03:11.106185	32	02SEP2006 00:03:11.106185	4

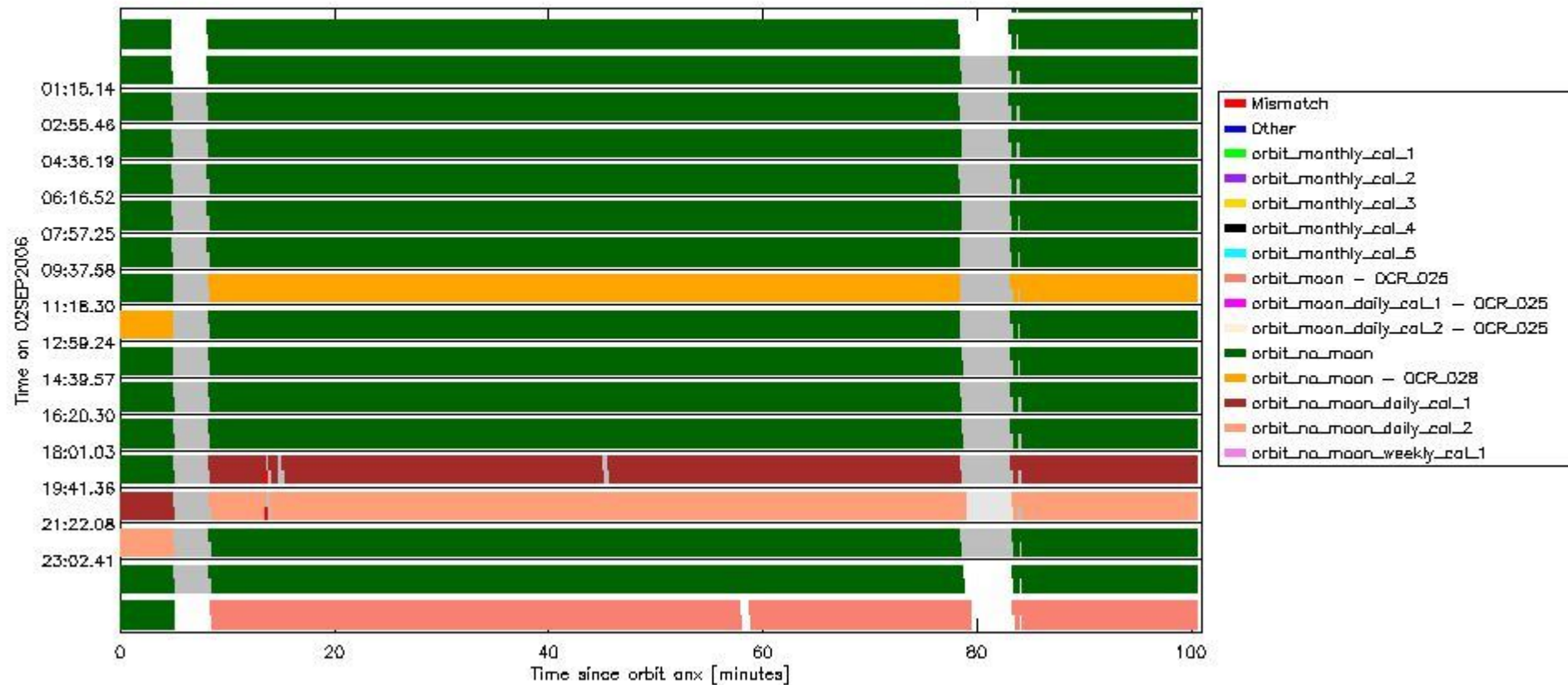


sciamachy_daily_report_level0_PFHS_5_37_N_20060902_5.PNG

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 Q2SEP2006.
 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_PPHS_5_37_N_20060902_6.PNG

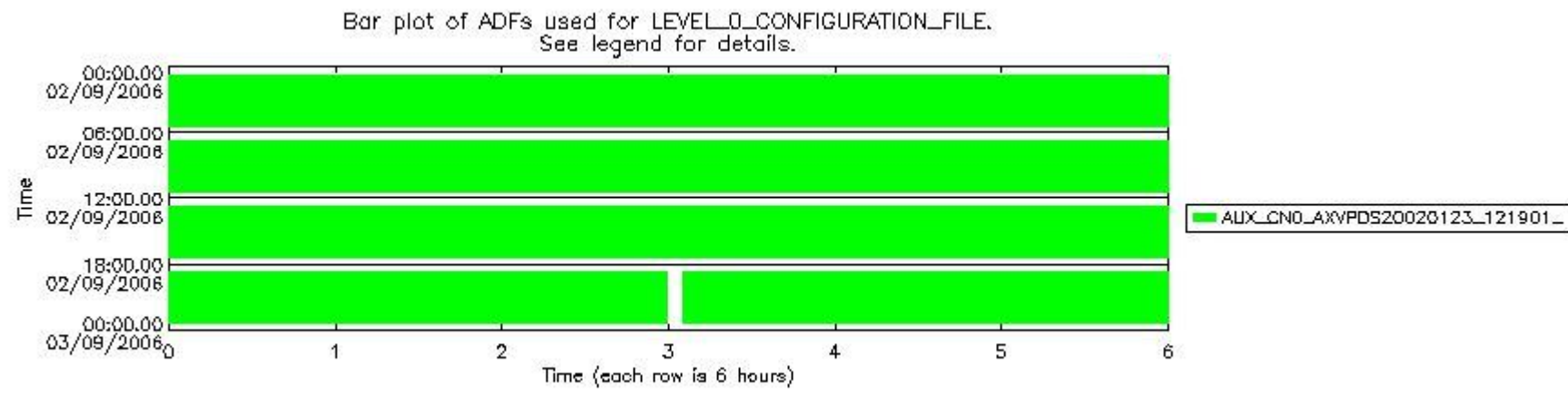
0.4 ADF monitoring

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

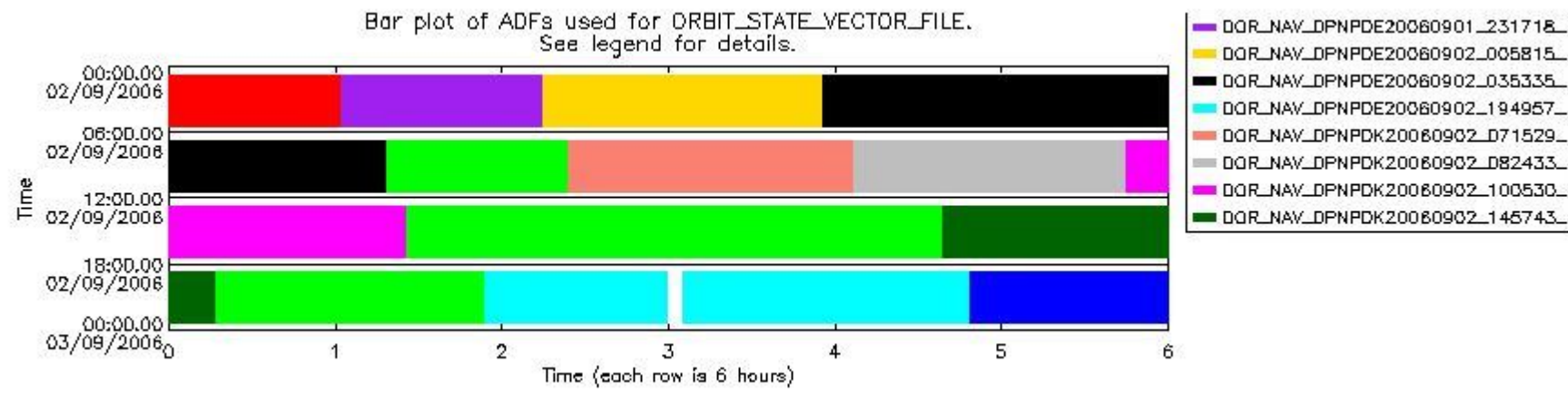
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

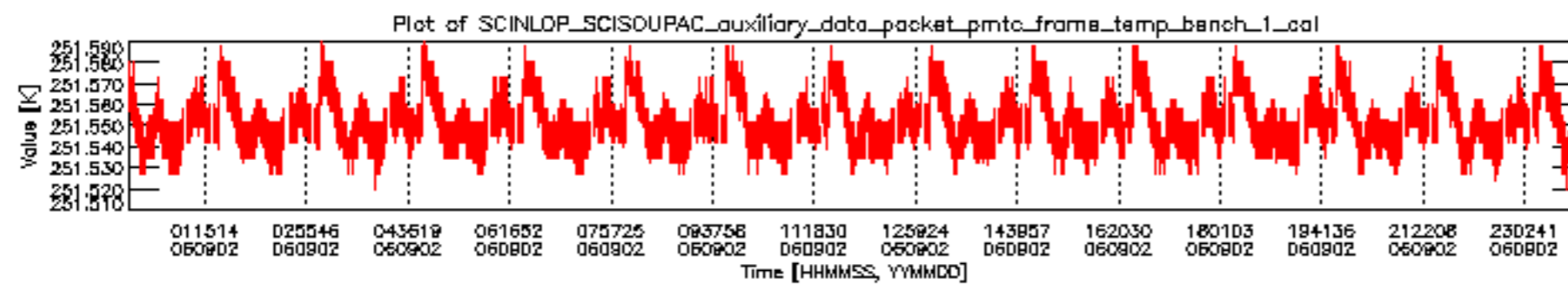
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20060901_232755_20060901_183240_20060911_213928
2	AUX_FPO_AXVPDS20060902_225814_20060902_194139_20060912_210750
3	DOR_NAV_OPNPDE20060901_213621_000057382050_00458_23558_0471.N1
4	DOR_NAV_OPNPDE20060901_231718_000057382050_00459_23559_0472.N1
5	DOR_NAV_OPNPDE20060902_005815_000041442050_00460_23560_0473.N1
6	DOR_NAV_OPNPDE20060902_035335_000057382050_00462_23562_0475.N1
7	DOR_NAV_OPNPDE20060902_194957_000038252050_00472_23572_0477.N1
8	DOR_NAV_OPNPDK20060902_071529_000038252050_00464_23564_0618.N1
9	DOR_NAV_OPNPDK20060902_082433_000057382050_00465_23565_0619.N1
10	DOR_NAV_OPNPDK20060902_100530_000054192050_00466_23566_0620.N1
11	DOR_NAV_OPNPDK20060902_145743_000057382050_00469_23569_0623.N1

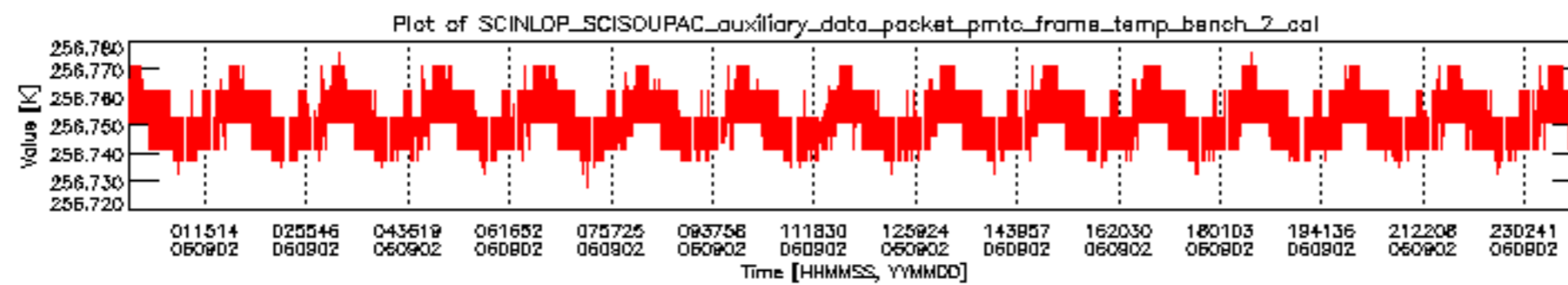


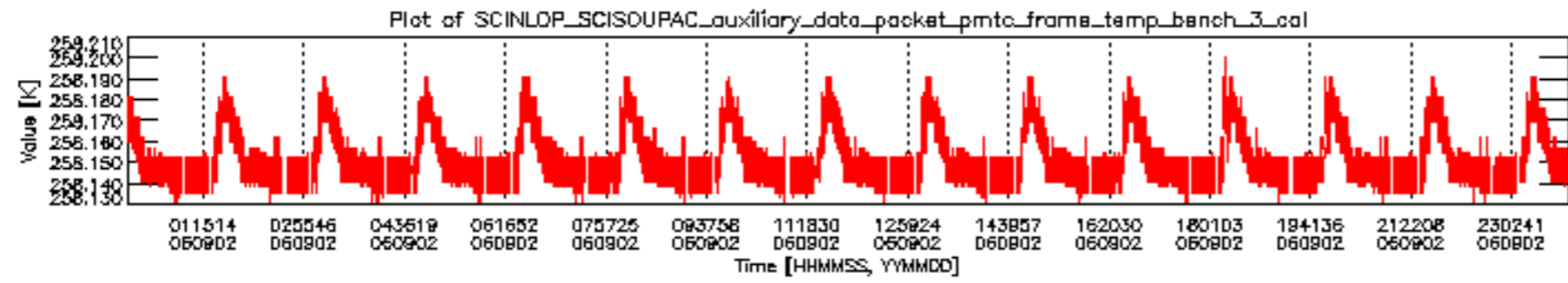
sciamachy_daily_report_level0_PFHS_5_37_N_20060902_7.PNG

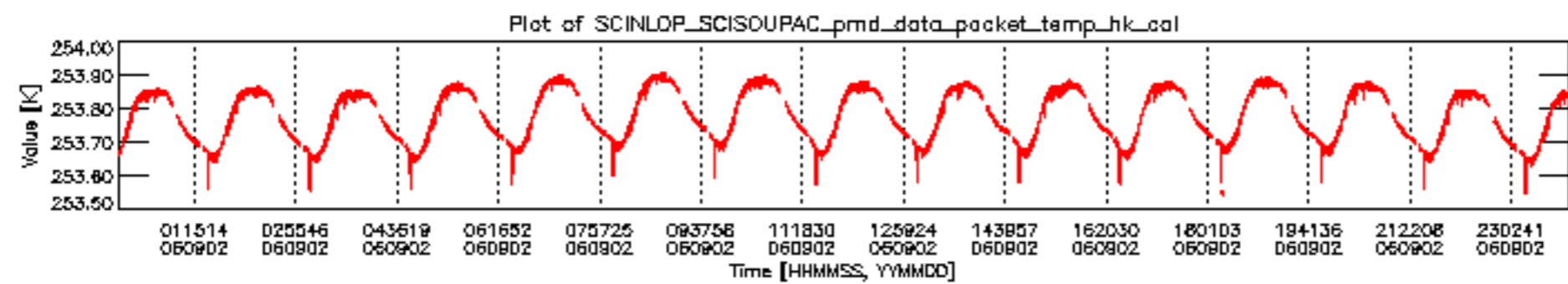


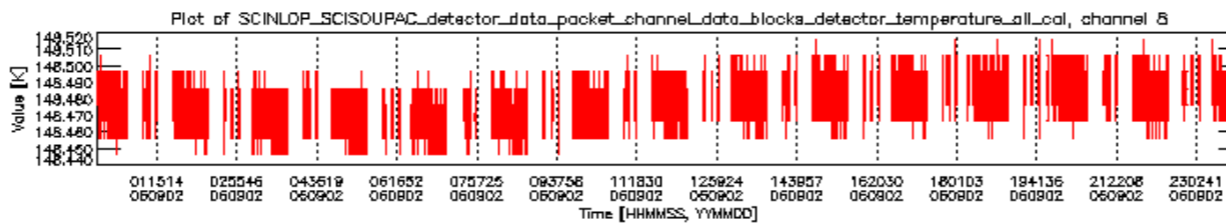
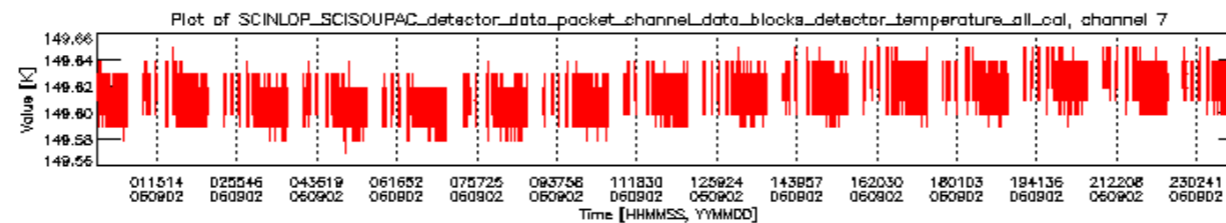
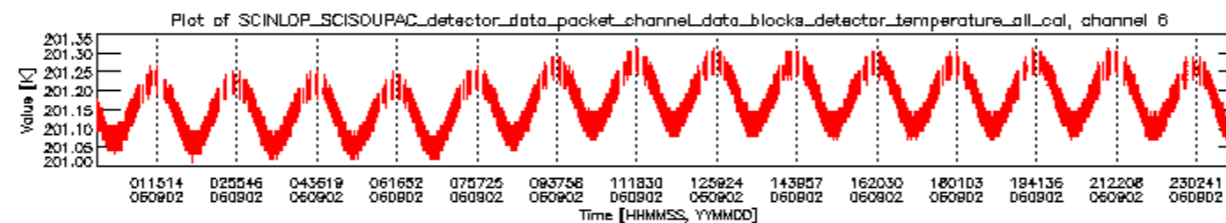
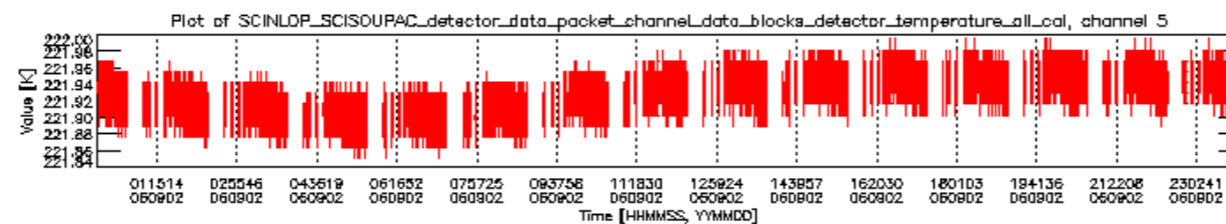
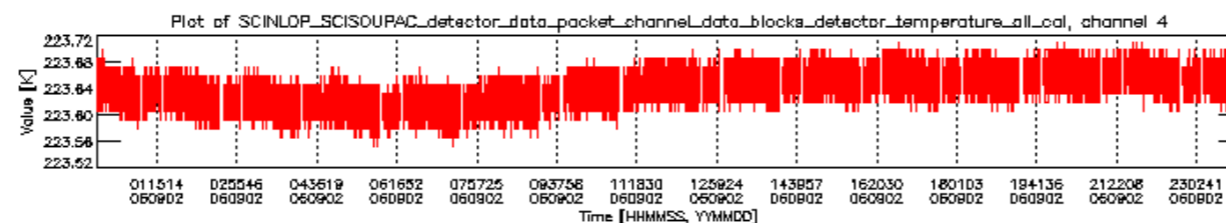
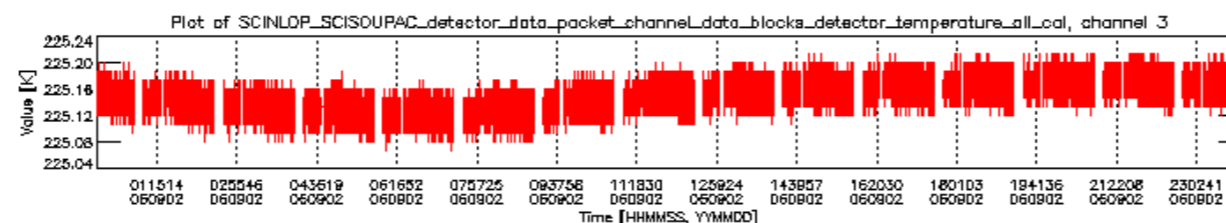
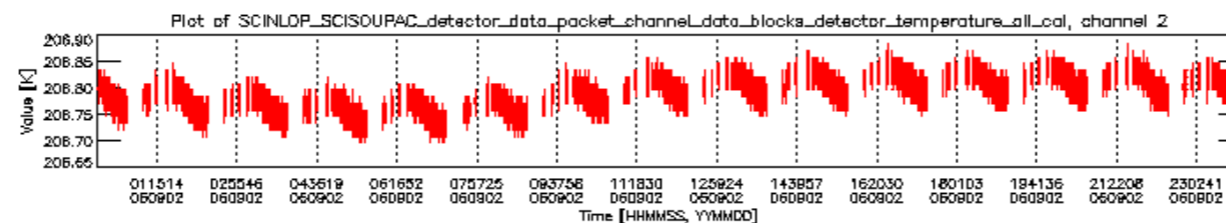
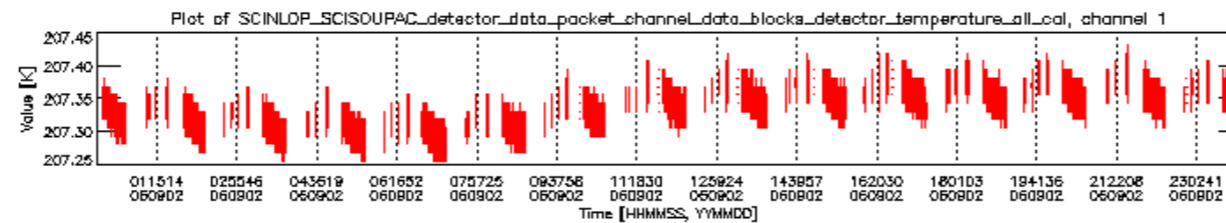
sciamachy_daily_report_level0_PFHS_5_37_N_20060902_8.PNG











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 02SEP2006.
 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.

