

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	26SEP2006 04:14:15
Data source version	PFHS/5.37-N
Processing scope for products	22SEP2006 00:00:00 to 23SEP2006 00:00:00
Start time of first product within scope	21SEP2006 22:52:22
Stop time of last product within scope	23SEP2006 00:02:15
Total number of level 0 products	16
Number of level 0 products with errors	16

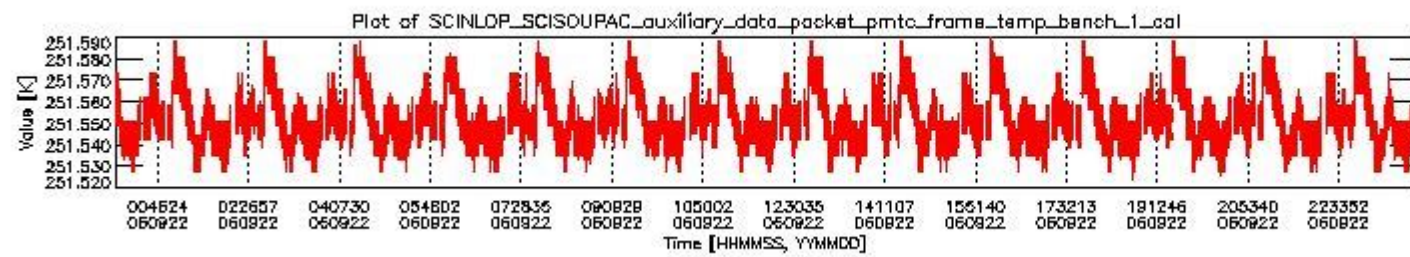
0.1.2 Summary per product

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

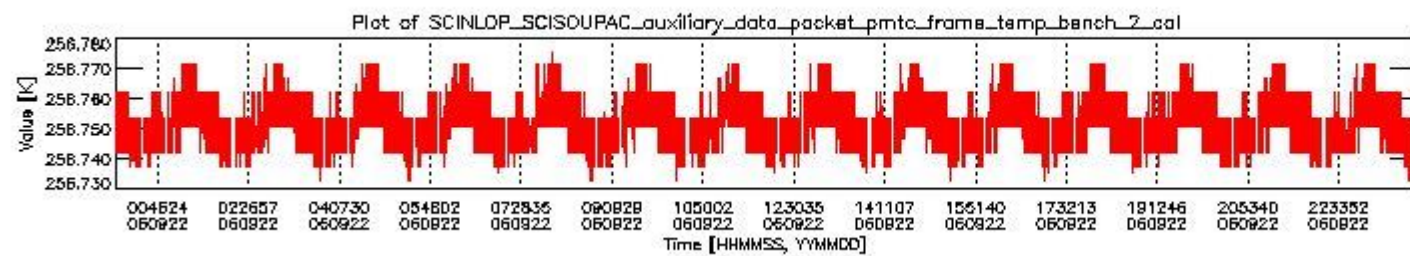
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20060922_225222_000061162051_00244_23845_0641.N1	21SEP2006 22:52:22	22SEP2006 00:34:18	1	0	1	0	0
1	SCI_NL__OPNPDE20060922_003345_000055482051_00245_23846_0642.N1	22SEP2006 00:33:45	22SEP2006 02:06:13	1	0	1	0	0
2	SCI_NL__OPNPDE20060922_021207_000043622051_00246_23847_0643.N1	22SEP2006 02:12:07	22SEP2006 03:24:49	1	0	1	0	0
3	SCI_NL__OPNPDE20060922_032449_000061732051_00247_23848_0644.N1	22SEP2006 03:24:49	22SEP2006 05:07:43	1	0	1	0	0
4	SCI_NL__OPNPDE20060922_050743_000060232051_00248_23849_0645.N1	22SEP2006 05:07:43	22SEP2006 06:48:07	1	0	1	0	0
5	SCI_NL__OPNPDK20060922_064711_000041702051_00249_23850_0786.N1	22SEP2006 06:47:11	22SEP2006 07:56:41	1	0	1	0	0
6	SCI_NL__OPNPDK20060922_075641_000060922051_00250_23851_0787.N1	22SEP2006 07:56:41	22SEP2006 09:38:13	1	0	1	0	0
7	SCI_NL__OPNPDK20060922_093813_000059242051_00251_23852_0788.N1	22SEP2006 09:38:13	22SEP2006 11:16:58	1	0	1	0	0
8	SCI_NL__OPNPDK20060922_111549_000059672051_00252_23853_0789.N1	22SEP2006 11:15:49	22SEP2006 12:55:17	1	0	1	0	0
9	SCI_NL__OPNPDK20060922_125421_000059802051_00253_23854_0790.N1	22SEP2006 12:54:21	22SEP2006 14:34:02	1	0	1	0	0
10	SCI_NL__OPNPDK20060922_143253_000059122051_00254_23855_0791.N1	22SEP2006 14:32:53	22SEP2006 16:11:26	1	0	1	0	0
11	SCI_NL__OPNPDK20060922_160934_000060862051_00255_23856_0792.N1	22SEP2006 16:09:34	22SEP2006 17:51:00	1	0	1	0	0
12	SCI_NL__OPNPDK20060922_174854_000060362051_00256_23857_0793.N1	22SEP2006 17:48:54	22SEP2006 19:29:30	1	0	1	0	0
13	SCI_NL__OPNPDK20060922_192733_000060362051_00257_23858_0796.N1	22SEP2006 19:27:33	22SEP2006 21:08:10	1	0	1	0	0
14	SCI_NL__OPNPDE20060922_210810_000043182051_00258_23859_0648.N1	22SEP2006 21:08:10	22SEP2006 22:20:08	1	0	1	0	0
15	SCI_NL__OPNPDE20060922_221924_000061702051_00258_23859_0649.N1	22SEP2006 22:19:24	23SEP2006 00:02:15	1	0	1	0	0

0.2 Product Quality Indicators

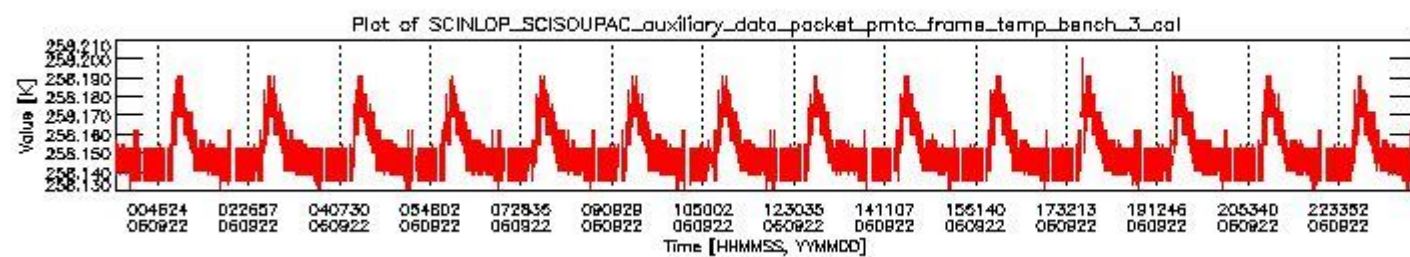
This section shows information about product quality, currently temperatures.



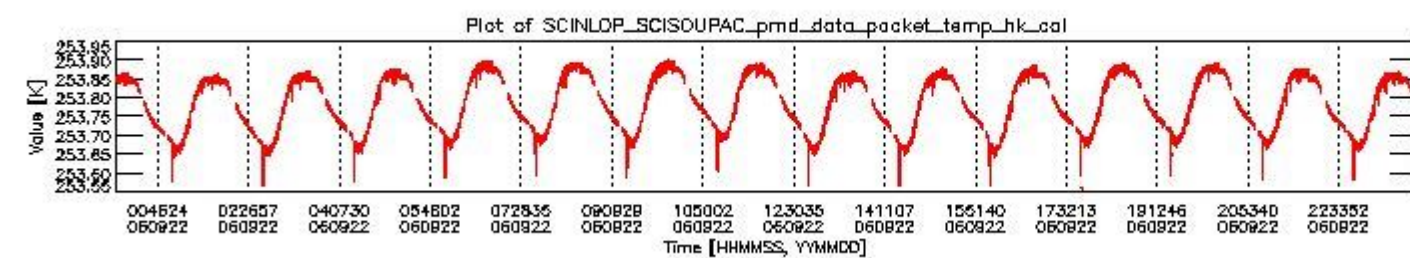
sciamachy_daily_report_level0_PFHS_5_37_N_20060922_0.PNG



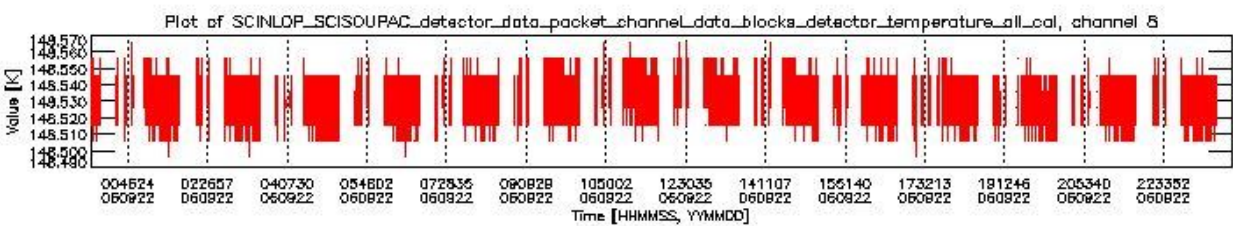
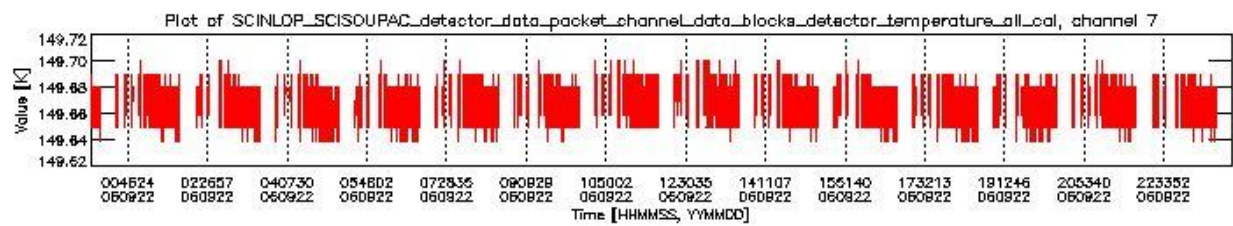
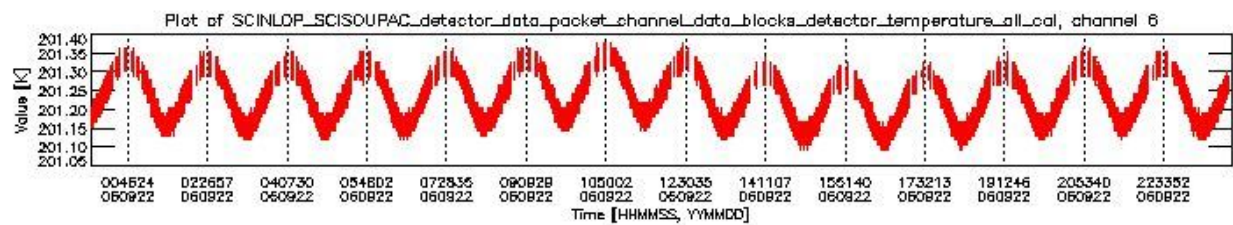
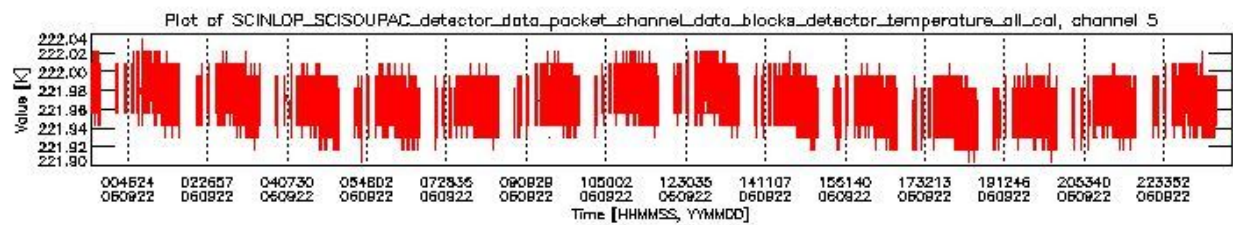
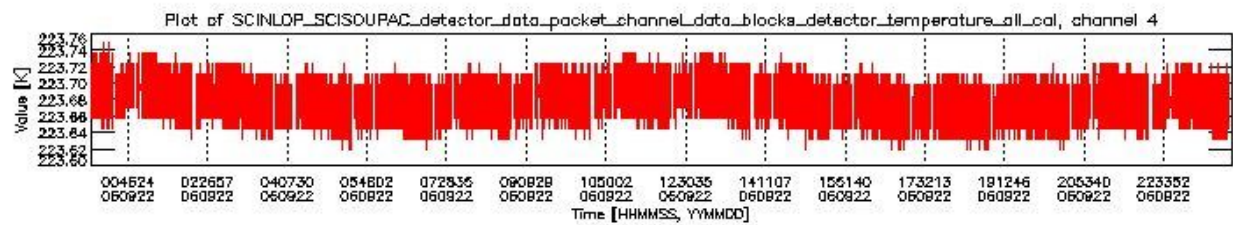
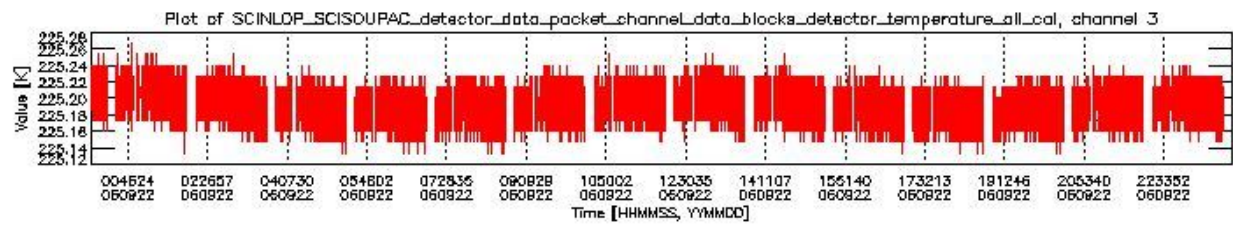
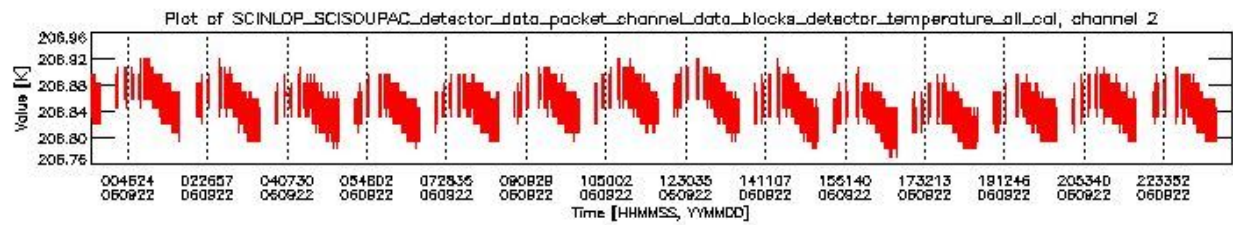
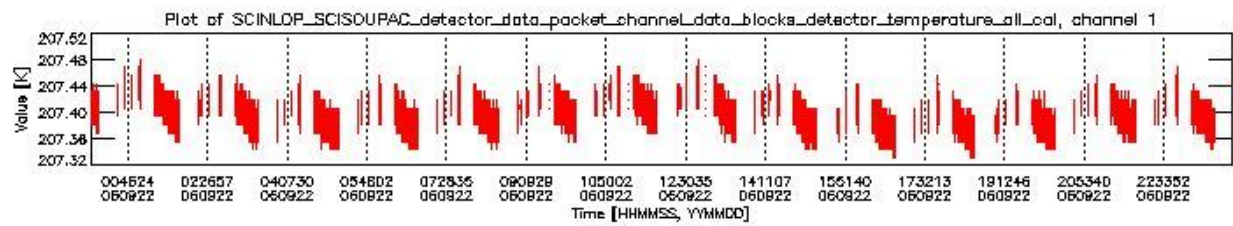
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sciamachy_daily_report_level0_PFHS_5_37_N_20060922_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20060922_3.PNG

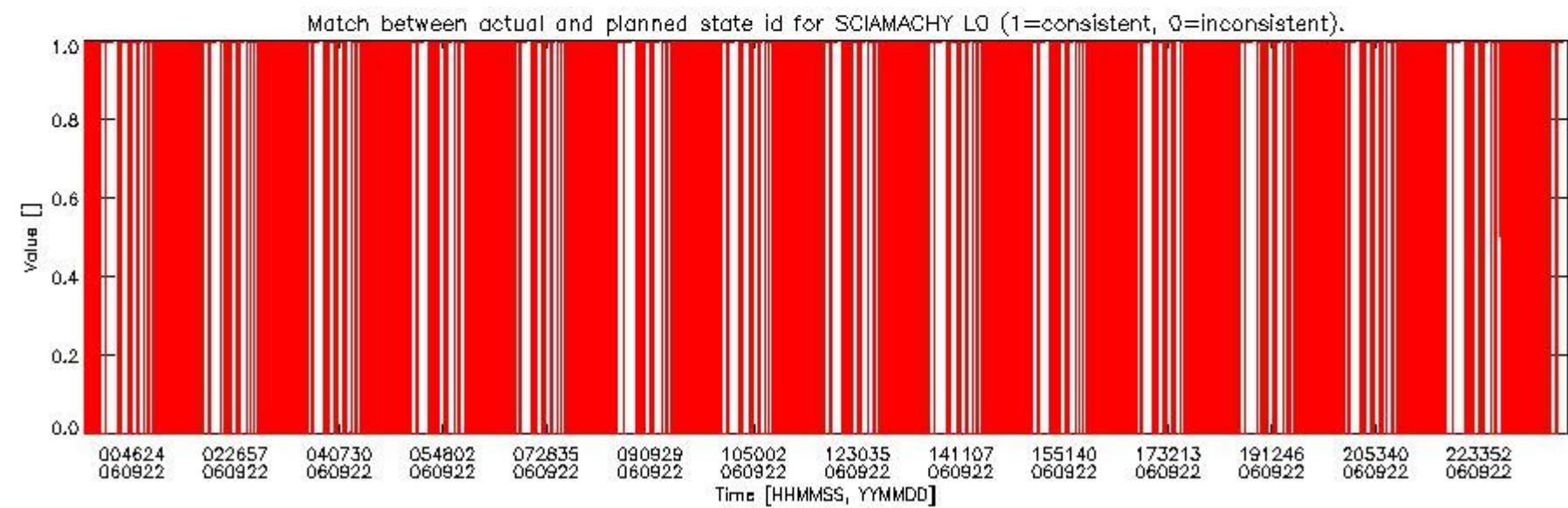
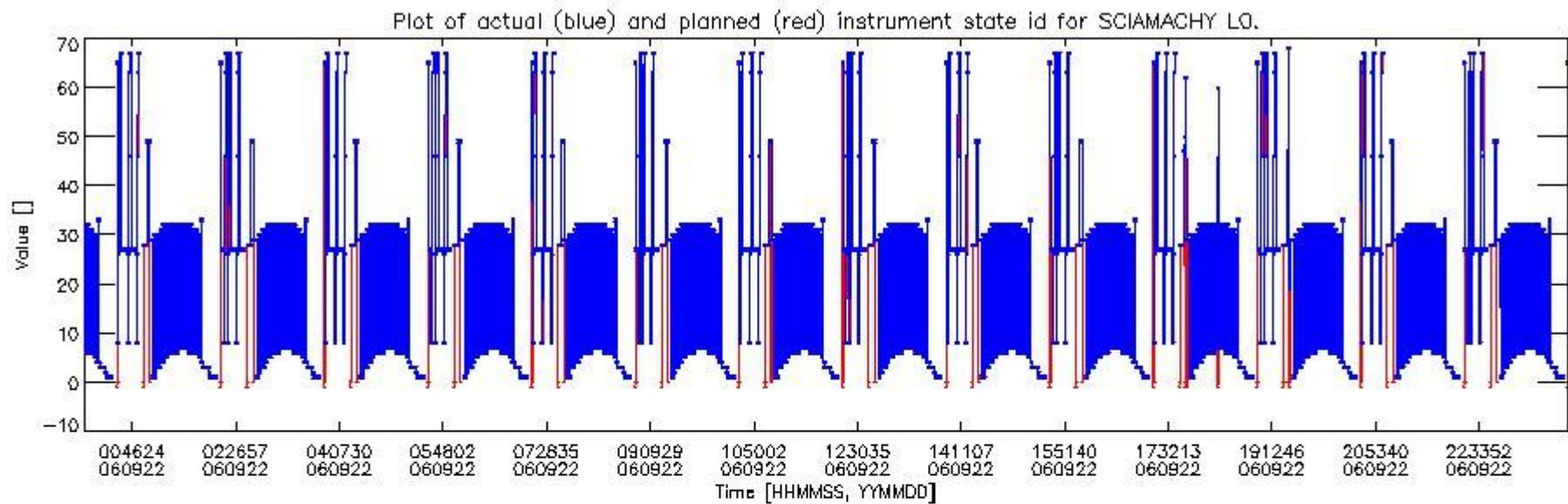


0.3 State monitoring

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: **12181**

#	Actual time	Actual value	Planned time	Planned value
0	22SEP2006 00:00:36.623177	32	22SEP2006 00:00:36.623177	7
1	22SEP2006 00:00:37.248199	32	22SEP2006 00:00:37.248199	7
2	22SEP2006 00:00:37.623172	32	22SEP2006 00:00:37.623172	7
3	22SEP2006 00:00:37.998185	32	22SEP2006 00:00:37.998185	7
4	22SEP2006 00:00:38.560684	32	22SEP2006 00:00:38.560684	7
5	22SEP2006 00:00:38.935697	32	22SEP2006 00:00:38.935697	7
6	22SEP2006 00:00:39.310710	32	22SEP2006 00:00:39.310710	7
7	22SEP2006 00:01:32.498191	6	22SEP2006 00:01:32.498191	32
8	22SEP2006 00:01:32.873204	6	22SEP2006 00:01:32.873204	32
9	22SEP2006 00:01:33.123172	6	22SEP2006 00:01:33.123172	32
10	22SEP2006 00:01:33.373181	6	22SEP2006 00:01:33.373181	32
11	22SEP2006 00:01:33.623190	6	22SEP2006 00:01:33.623190	32
12	22SEP2006 00:01:33.873198	6	22SEP2006 00:01:33.873198	32
13	22SEP2006 00:01:34.123207	6	22SEP2006 00:01:34.123207	32
14	22SEP2006 00:01:34.373176	6	22SEP2006 00:01:34.373176	32
15	22SEP2006 00:01:34.623184	6	22SEP2006 00:01:34.623184	32
16	22SEP2006 00:01:34.873193	6	22SEP2006 00:01:34.873193	32
17	22SEP2006 00:01:35.123202	6	22SEP2006 00:01:35.123202	32
18	22SEP2006 00:02:41.056781	32	22SEP2006 00:02:41.056781	6
19	22SEP2006 00:02:41.681762	32	22SEP2006 00:02:41.681762	6

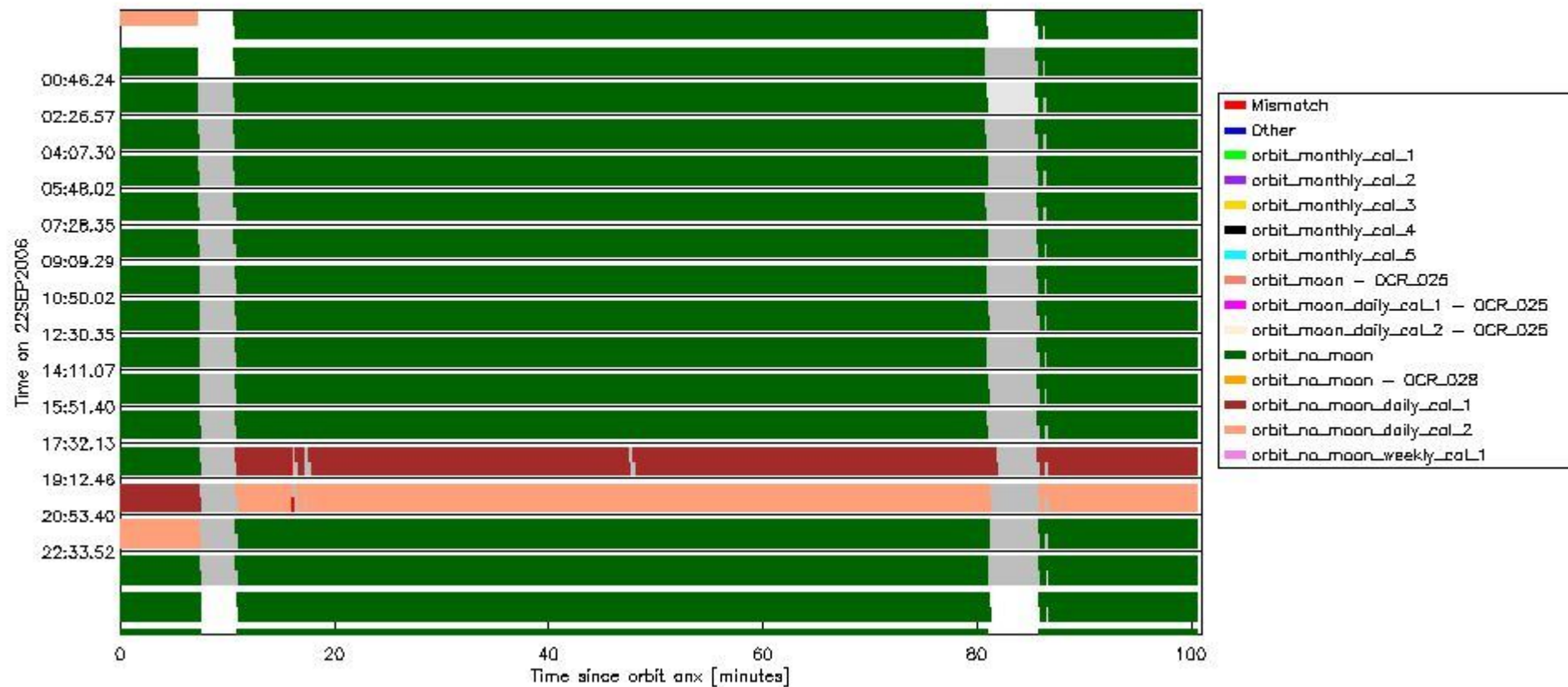


sciamachy_daily_report_level0_PFHS_5_37_N_20060922_5.PNG

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 22SEP2006.
 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_PFHS_5_37_N_20060922_6.PNG

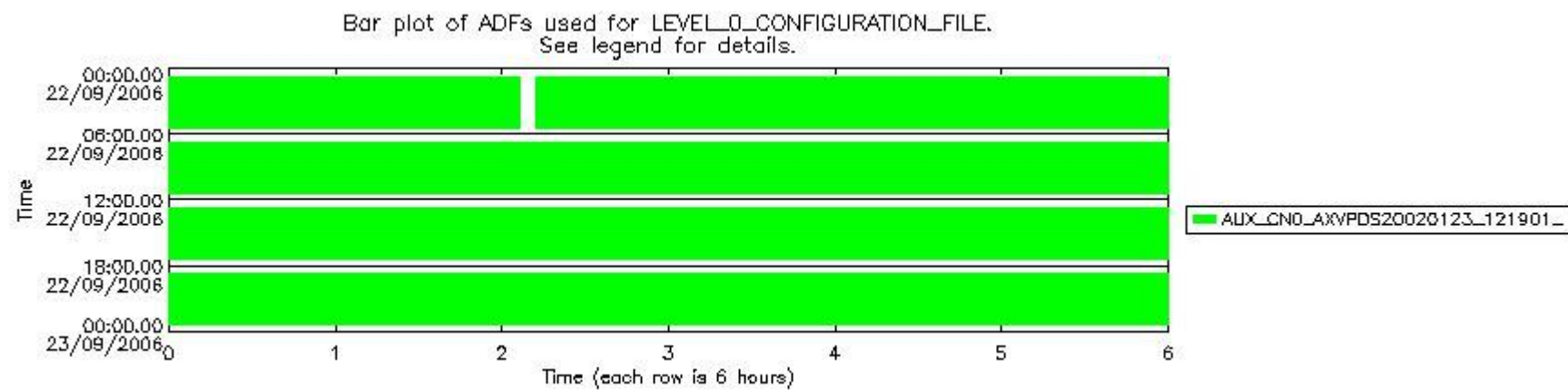
0.4 ADF monitoring

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

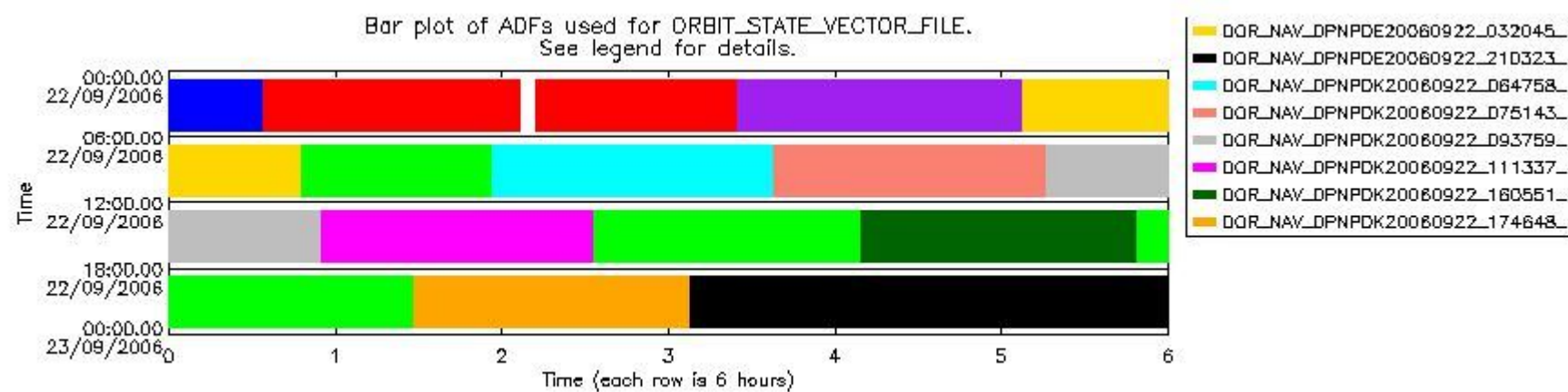
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

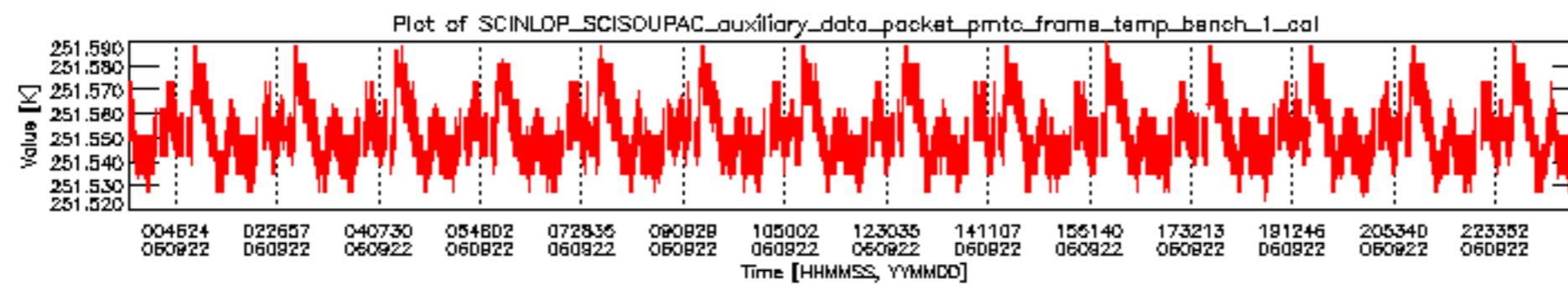
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20060921_230240_20060921_194431_20061001_211046
2	DOR_NAV_0PNPDE20060921_210331_000060572051_00243_23844_0606.N1
3	DOR_NAV_0PNPDE20060922_003043_000054192051_00245_23846_0608.N1
4	DOR_NAV_0PNPDE20060922_020622_000041442051_00246_23847_0609.N1
5	DOR_NAV_0PNPDE20060922_032045_000060572051_00247_23848_0610.N1
6	DOR_NAV_0PNPDE20060922_210323_000041442051_00258_23859_0616.N1
7	DOR_NAV_0PNPDK20060922_064758_000035062051_00249_23850_0819.N1
8	DOR_NAV_0PNPDK20060922_075143_000060572051_00250_23851_0820.N1
9	DOR_NAV_0PNPDK20060922_093759_000054192051_00251_23852_0821.N1
10	DOR_NAV_0PNPDK20060922_111337_000057382051_00252_23853_0822.N1
11	DOR_NAV_0PNPDK20060922_160551_000057382051_00255_23856_0825.N1
12	DOR_NAV_0PNPDK20060922_174648_000057382051_00256_23857_0826.N1

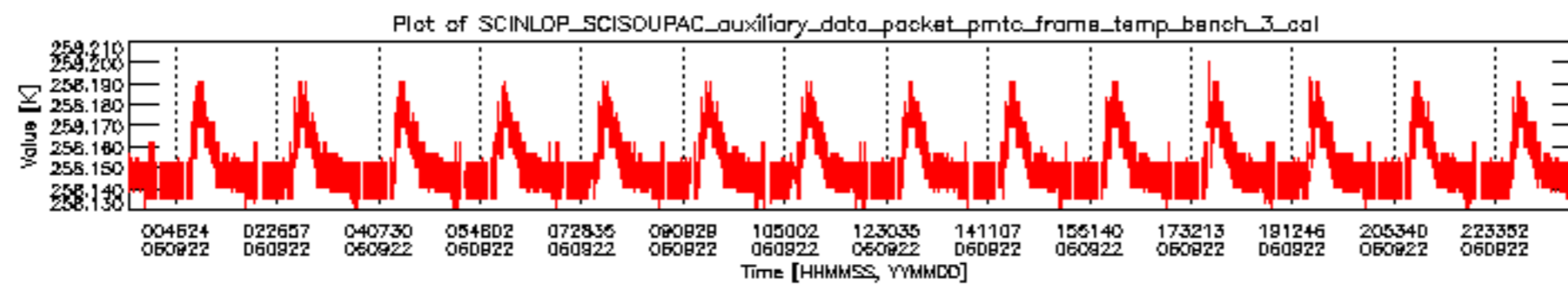


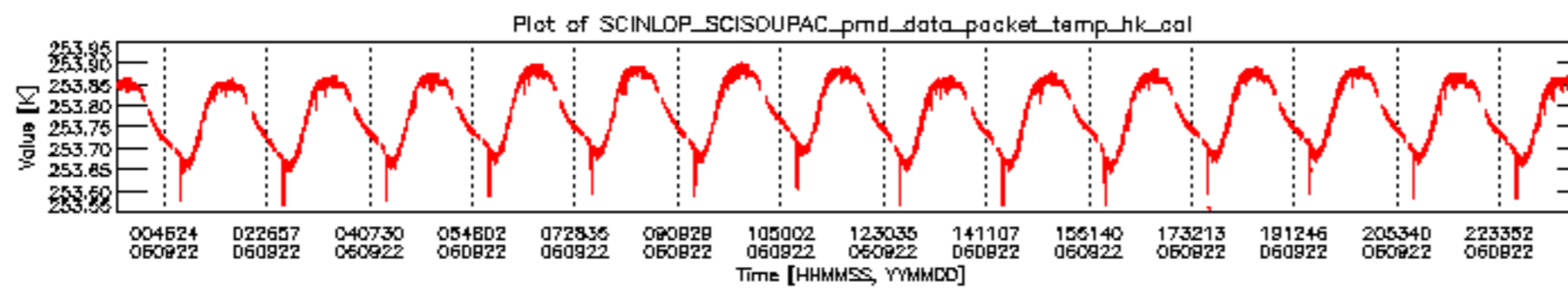
sciamachy_daily_report_level0_PPHS_5_37_N_20060922_7.PNG

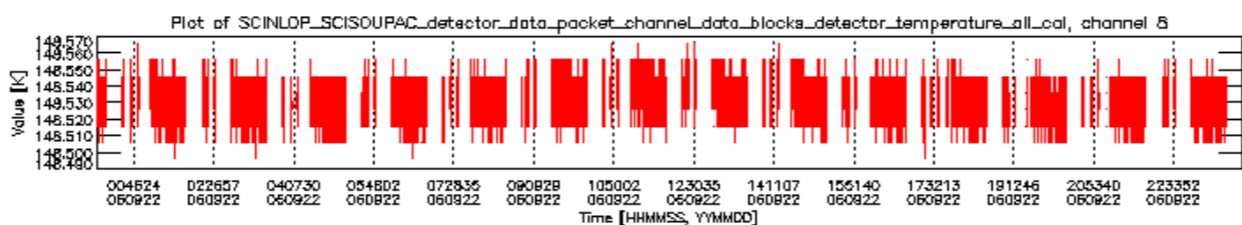
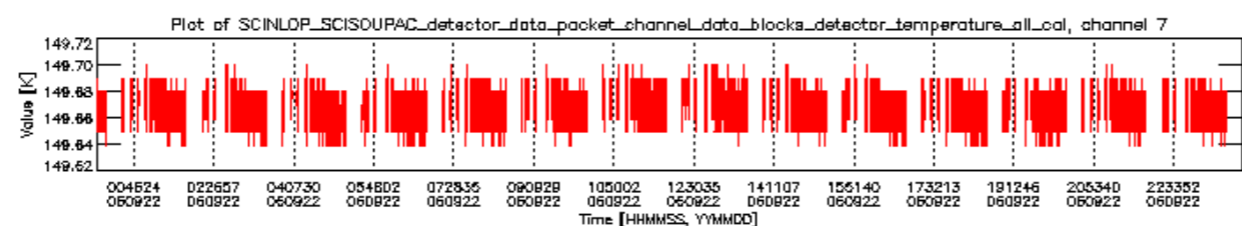
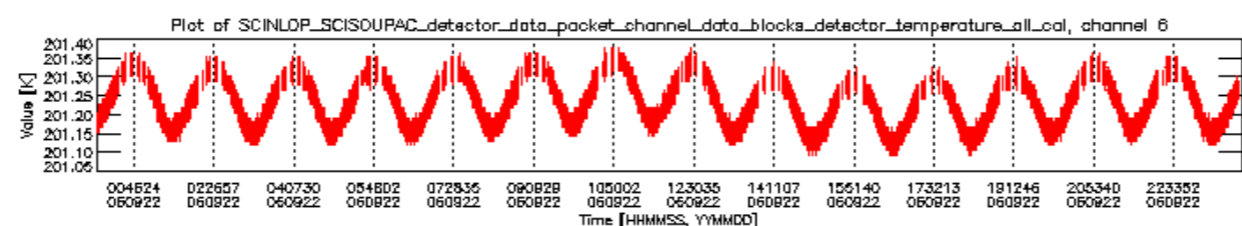
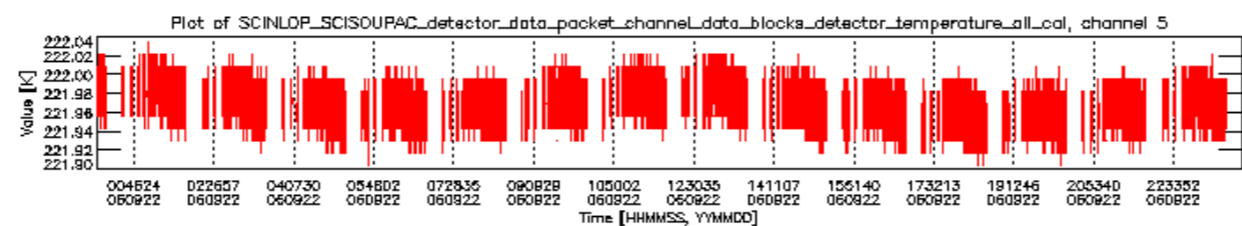
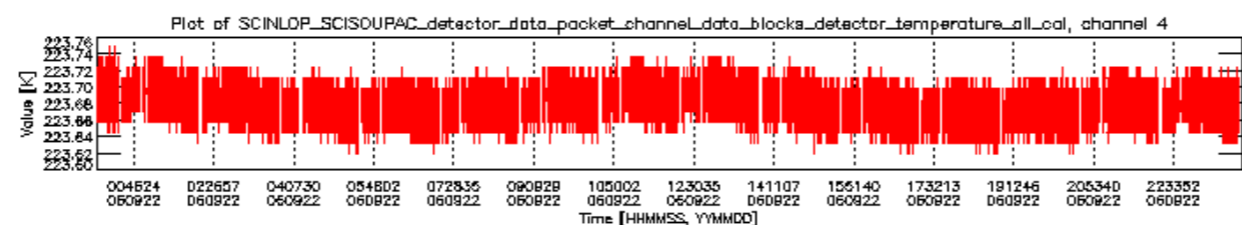
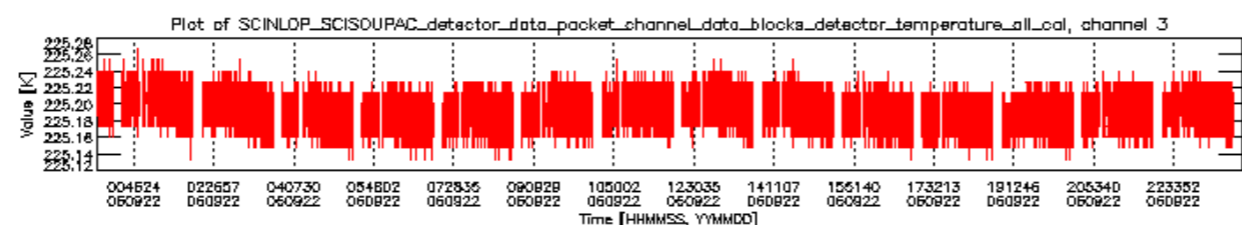
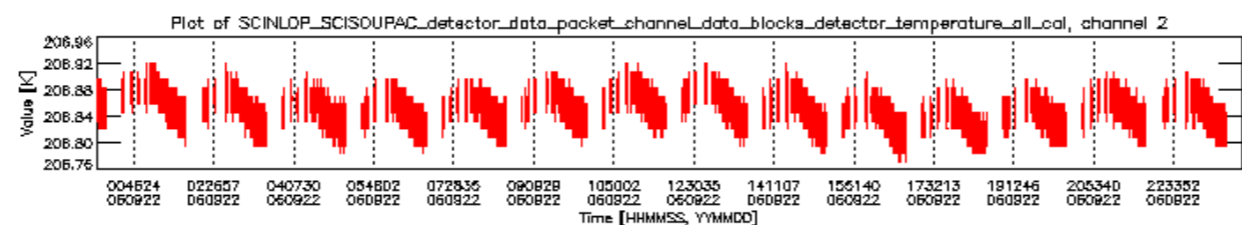
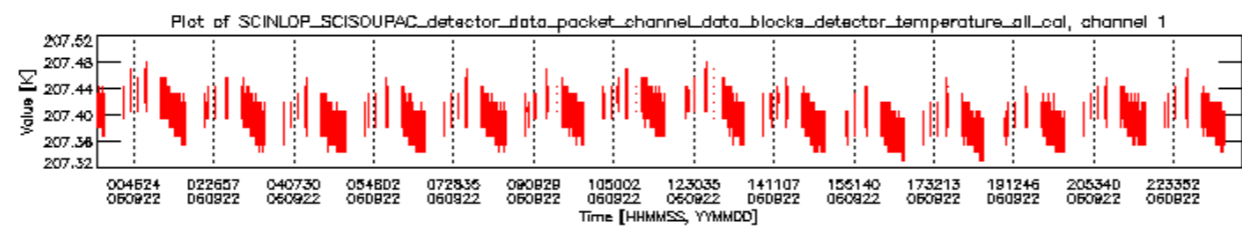


sciamachy_daily_report_level0_PPHS_5_37_N_20060922_8.PNG









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