

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	07NOV2007 11:03:03
Data source version	KSPT_L0/4302-N
Processing scope for products	03NOV2007 00:00:00 to 04NOV2007 00:00:00
Start time of first product within scope	02NOV2007 23:04:17
Stop time of last product within scope	04NOV2007 00:07:35
Total number of level 0 products	16
Number of level 0 products with errors	2

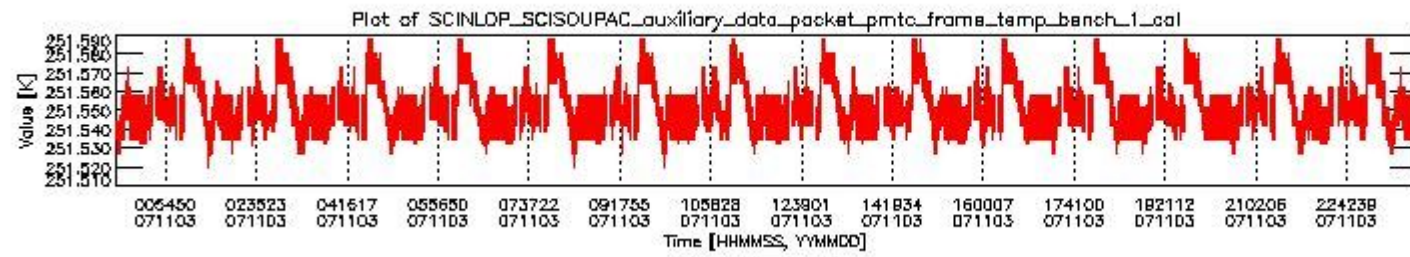
0.1.2 Summary per product

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

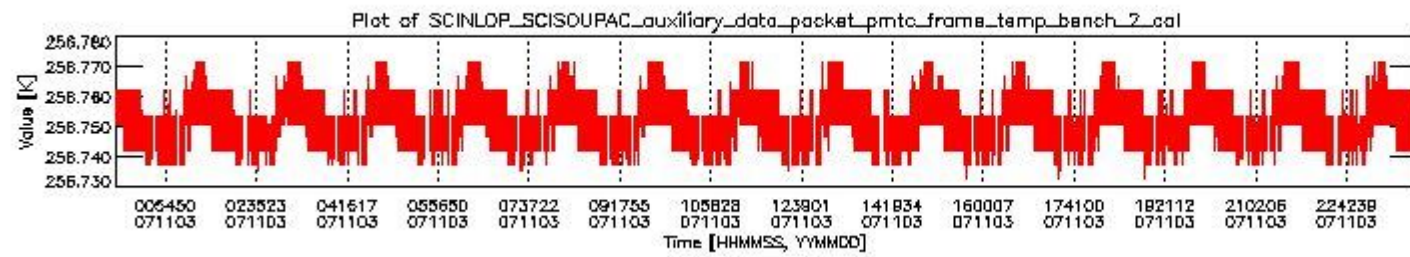
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDE20071102_230417_000056892063_00058_29671_5498.N1	02NOV2007 23:04:17	03NOV2007 00:39:06	0	0	0	0	0
1	SCI_NL__0PNPDE20071103_004453_000056082063_00059_29672_5499.N1	03NOV2007 00:44:53	03NOV2007 02:18:21	0	0	0	0	0
2	SCI_NL__0PNPDE20071103_021821_000046172063_00060_29673_5500.N1	03NOV2007 02:18:21	03NOV2007 03:35:18	0	0	0	0	0
3	SCI_NL__0PNPDE20071103_033422_000061482063_00061_29674_5501.N1	03NOV2007 03:34:22	03NOV2007 05:16:50	0	0	0	0	0
4	SCI_NL__0PNPDE20071103_051554_000061052063_00062_29675_5502.N1	03NOV2007 05:15:54	03NOV2007 06:57:39	0	0	0	0	0
5	SCI_NL__0PNPDK20071103_065631_000041012063_00063_29676_6530.N1	03NOV2007 06:56:31	03NOV2007 08:04:52	0	0	0	0	0
6	SCI_NL__0PNPDK20071103_080248_000062292063_00064_29677_6531.N1	03NOV2007 08:02:48	03NOV2007 09:46:37	1	0	1	0	0
7	SCI_NL__0PNPDK20071103_094432_000060362063_00065_29678_6532.N1	03NOV2007 09:44:32	03NOV2007 11:25:09	0	0	0	0	0
8	SCI_NL__0PNPDK20071103_112400_000060492063_00066_29679_6533.N1	03NOV2007 11:24:00	03NOV2007 13:04:49	0	0	0	0	0
9	SCI_NL__0PNPDK20071103_130341_000059802063_00067_29680_6534.N1	03NOV2007 13:03:41	03NOV2007 14:43:21	0	0	0	0	0
10	SCI_NL__0PNPDK20071103_144129_000058982063_00068_29681_6535.N1	03NOV2007 14:41:29	03NOV2007 16:19:48	1	1	0	0	0
11	SCI_NL__0PNPDK20071103_161948_000060362063_00069_29682_6536.N1	03NOV2007 16:19:48	03NOV2007 18:00:24	0	0	0	0	0
12	SCI_NL__0PNPDK20071103_175831_000059252063_00070_29683_6537.N1	03NOV2007 17:58:31	03NOV2007 19:37:16	0	0	0	0	0
13	SCI_NL__0PNPDE20071103_193716_000041662063_00071_29684_5503.N1	03NOV2007 19:37:16	03NOV2007 20:46:42	0	0	0	0	0
14	SCI_NL__0PNPDE20071103_204534_000060722063_00071_29684_5504.N1	03NOV2007 20:45:34	03NOV2007 22:26:46	0	0	0	0	0
15	SCI_NL__0PNPDE20071103_223246_000056892063_00072_29685_5505.N1	03NOV2007 22:32:46	04NOV2007 00:07:35	0	0	0	0	0

0.2 Product Quality Indicators

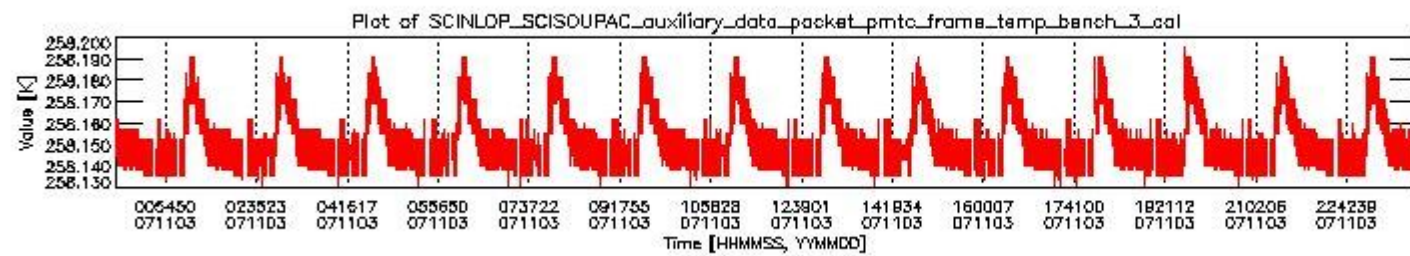
This section shows information about product quality, currently temperatures.



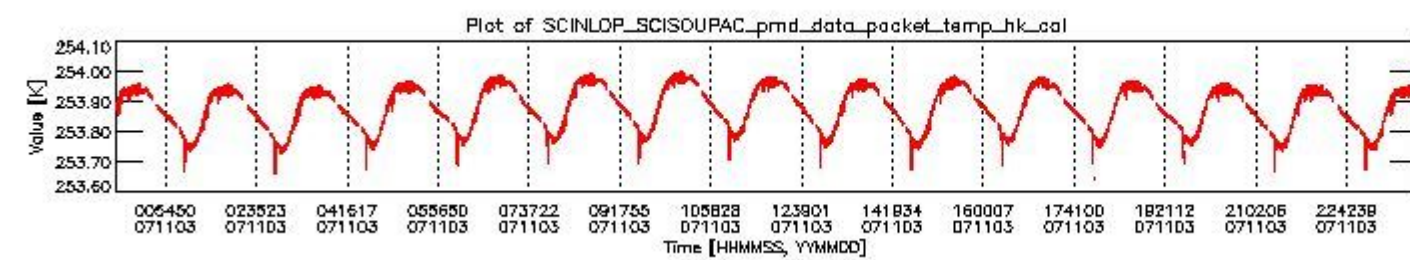
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071103_0.PNG



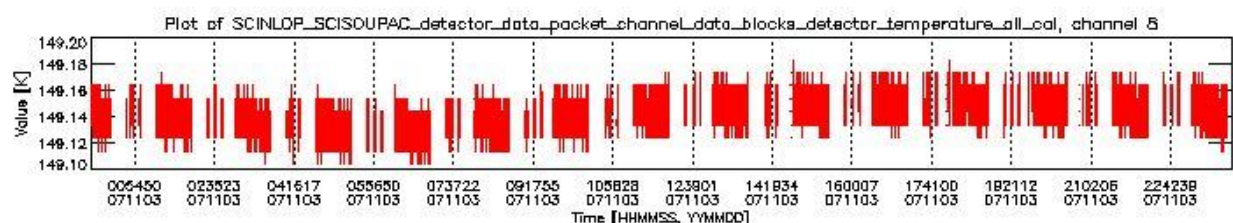
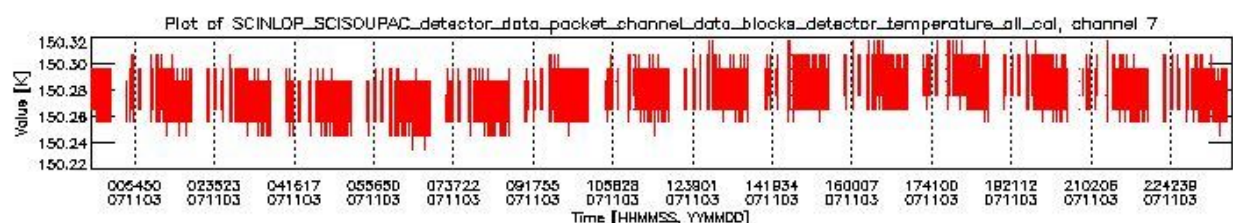
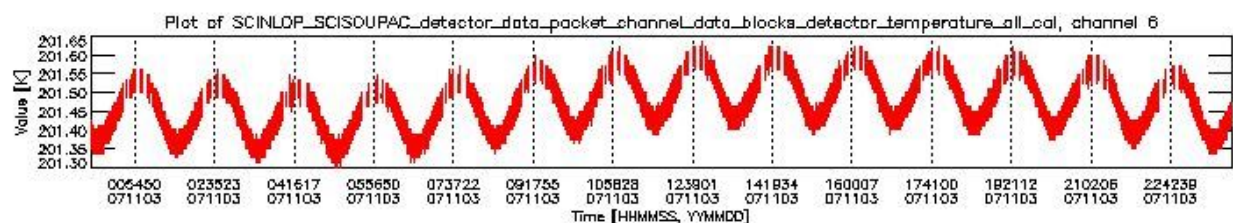
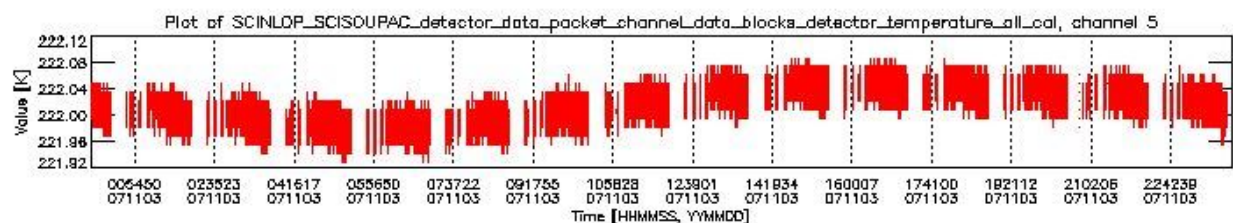
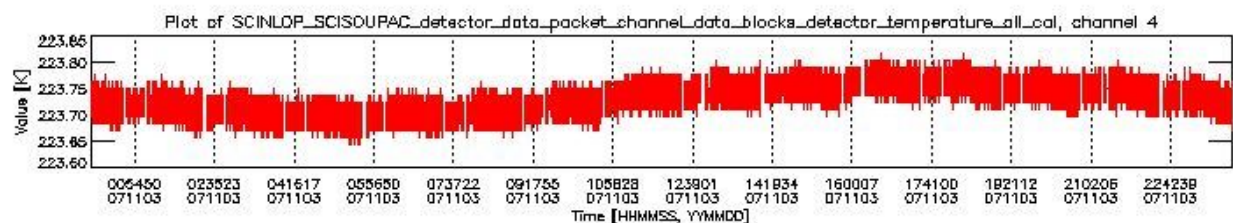
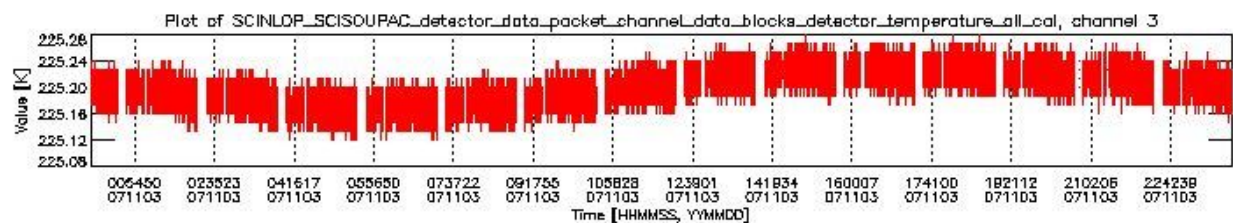
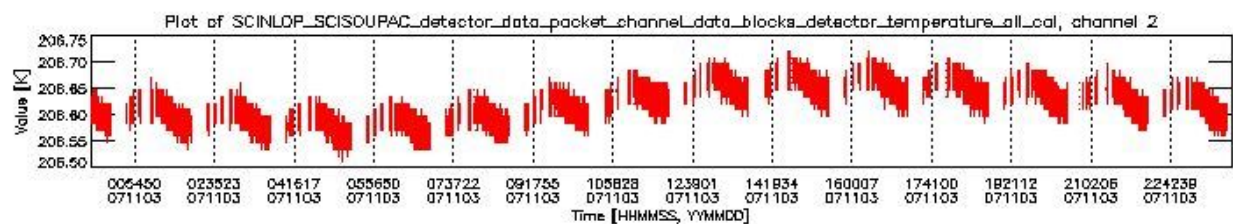
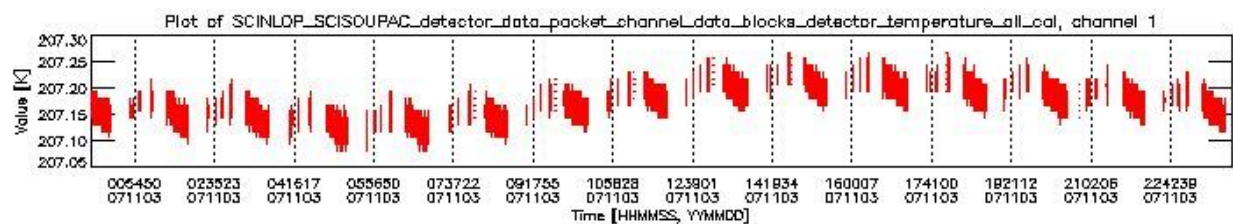
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071103_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20071103_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20071103_3.PNG

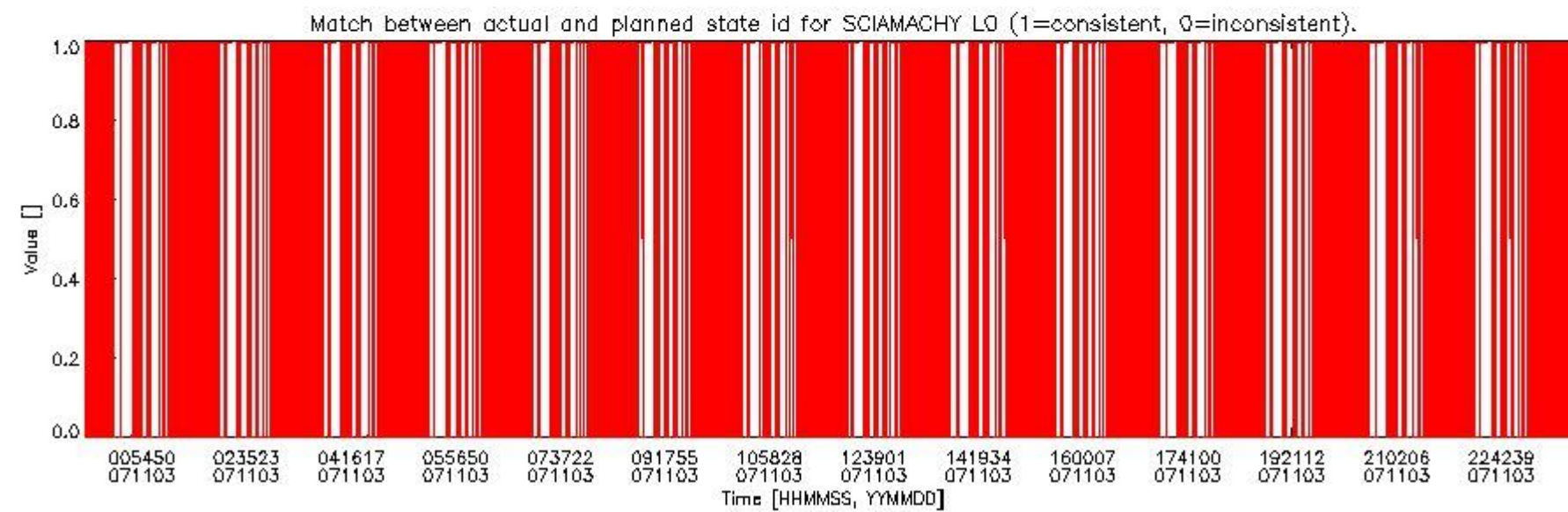
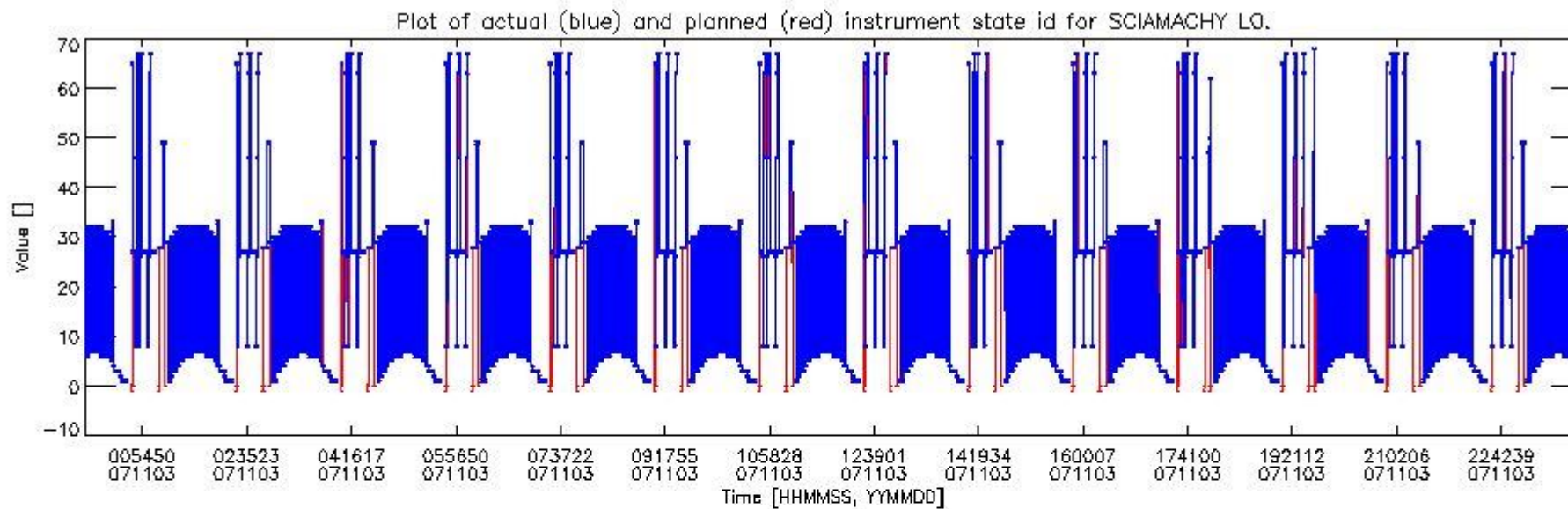


0.3 State monitoring

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: **33612**

#	Actual time	Actual value	Planned time	Planned value
0	03NOV2007 00:00:43.411674	32	03NOV2007 00:00:43.411674	6
1	03NOV2007 00:00:44.036655	32	03NOV2007 00:00:44.036655	6
2	03NOV2007 00:00:44.411668	32	03NOV2007 00:00:44.411668	6
3	03NOV2007 00:00:44.786641	32	03NOV2007 00:00:44.786641	6
4	03NOV2007 00:00:45.349140	32	03NOV2007 00:00:45.349140	6
5	03NOV2007 00:00:45.724154	32	03NOV2007 00:00:45.724154	6
6	03NOV2007 00:00:46.099167	32	03NOV2007 00:00:46.099167	6
7	03NOV2007 00:00:46.474139	32	03NOV2007 00:00:46.474139	6
8	03NOV2007 00:00:47.036639	32	03NOV2007 00:00:47.036639	6
9	03NOV2007 00:00:47.411652	32	03NOV2007 00:00:47.411652	6
10	03NOV2007 00:00:47.786665	32	03NOV2007 00:00:47.786665	6
11	03NOV2007 00:00:48.161638	32	03NOV2007 00:00:48.161638	6
12	03NOV2007 00:00:48.411646	32	03NOV2007 00:00:48.411646	6
13	03NOV2007 00:00:48.724137	32	03NOV2007 00:00:48.724137	6
14	03NOV2007 00:00:49.099150	32	03NOV2007 00:00:49.099150	6
15	03NOV2007 00:00:49.474163	32	03NOV2007 00:00:49.474163	6
16	03NOV2007 00:00:49.849136	32	03NOV2007 00:00:49.849136	6
17	03NOV2007 00:00:50.411636	32	03NOV2007 00:00:50.411636	6
18	03NOV2007 00:01:39.282745	6	03NOV2007 00:01:39.282745	32
19	03NOV2007 00:01:39.657758	6	03NOV2007 00:01:39.657758	32
...

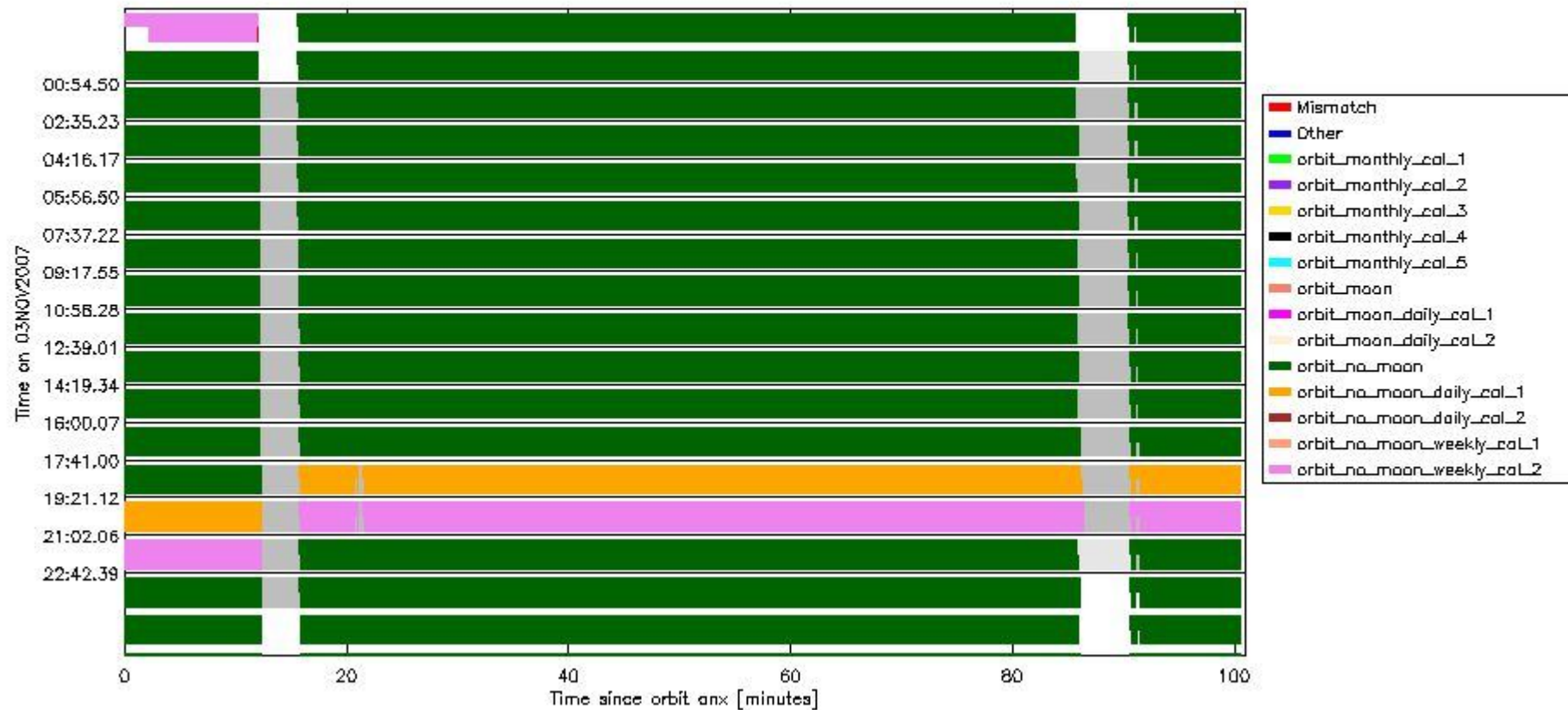


sciamachy_daily_report_level0_KSPT_L0_4302_N_20071103_5.PNG

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 03NOV2007.
 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_4302_N_20071103_6.PNG

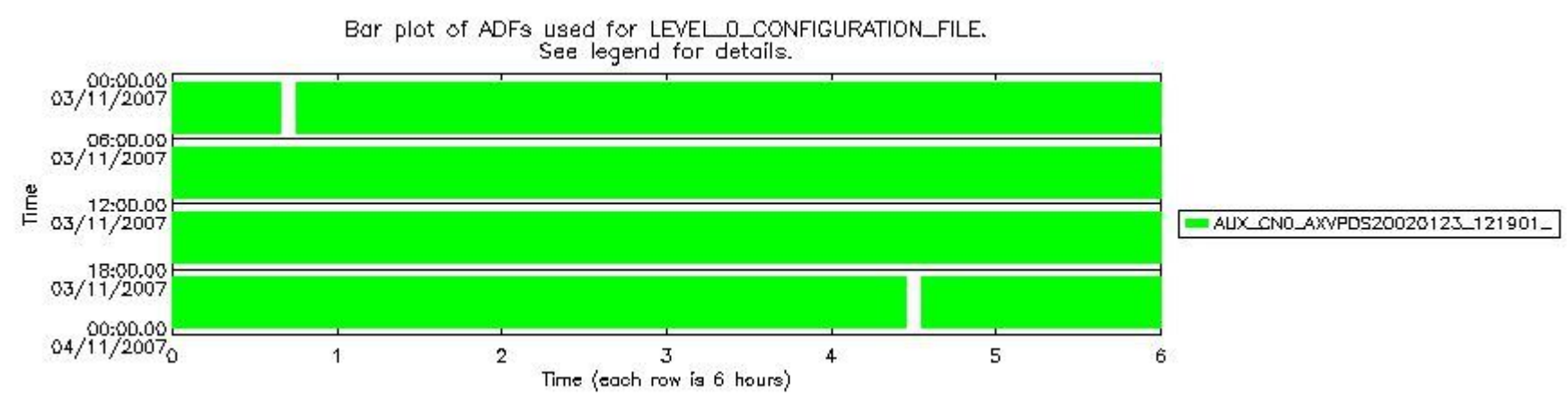
0.4 ADF monitoring

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

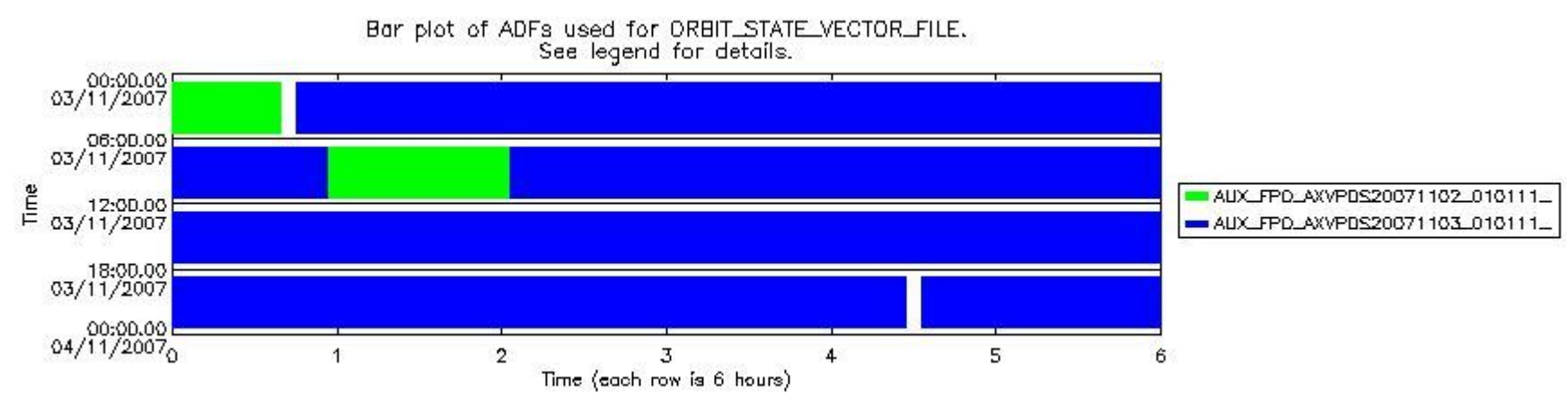
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

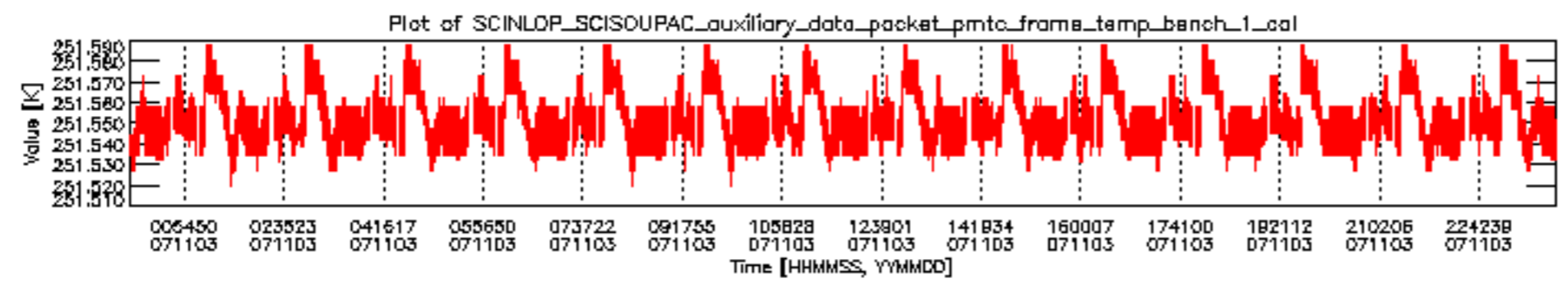
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20071102_010111_20071101_184405_20071111_201018
2	AUX_FPO_AXVPDS20071103_010111_20071102_195304_20071112_211917

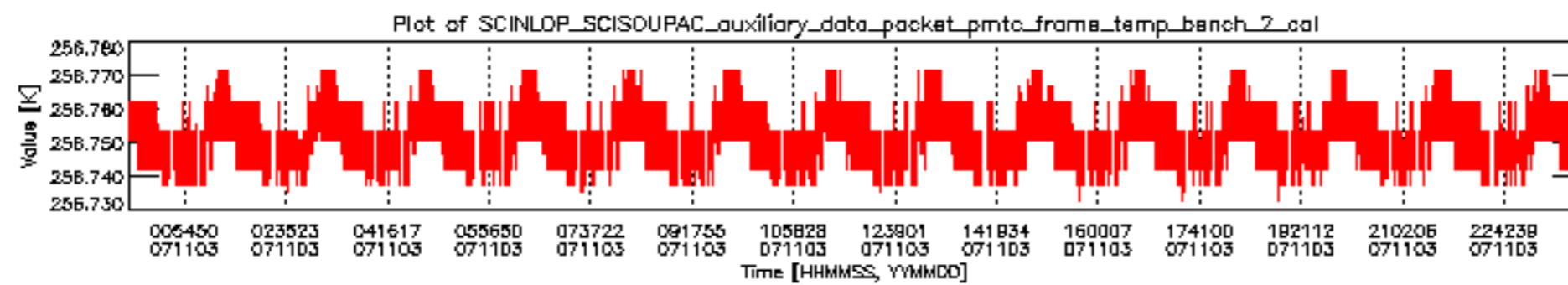


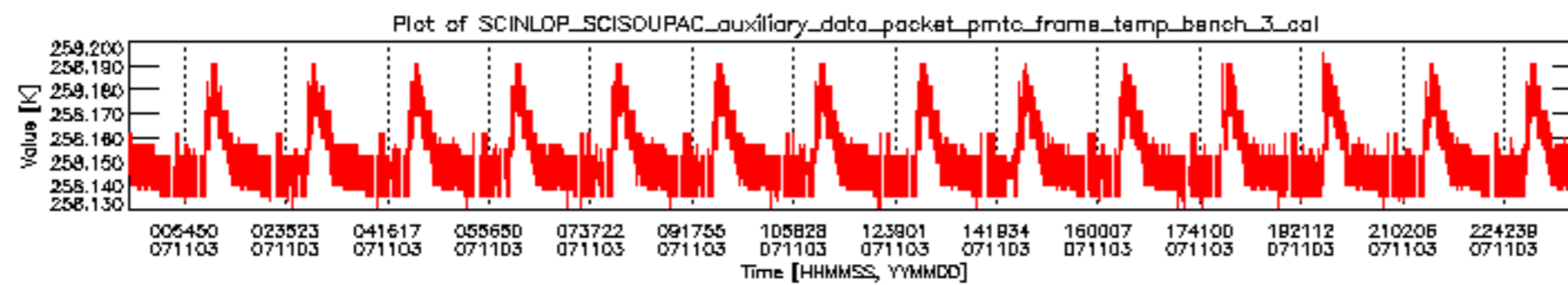
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071103_7.PNG

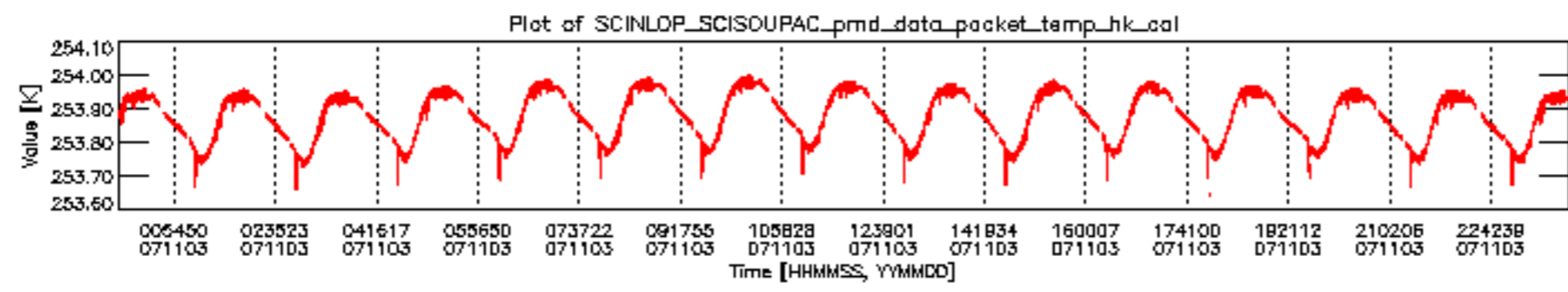


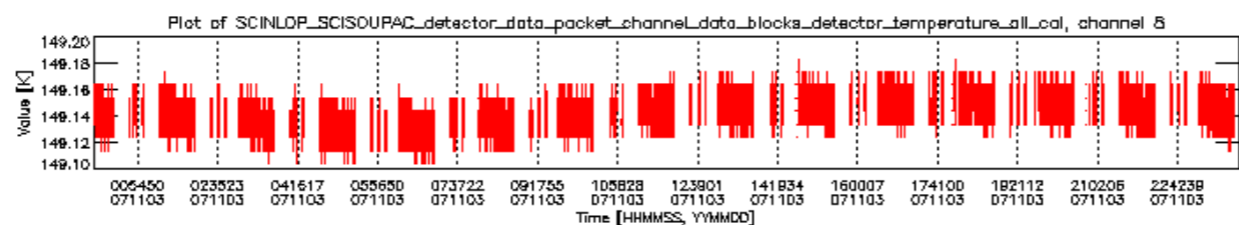
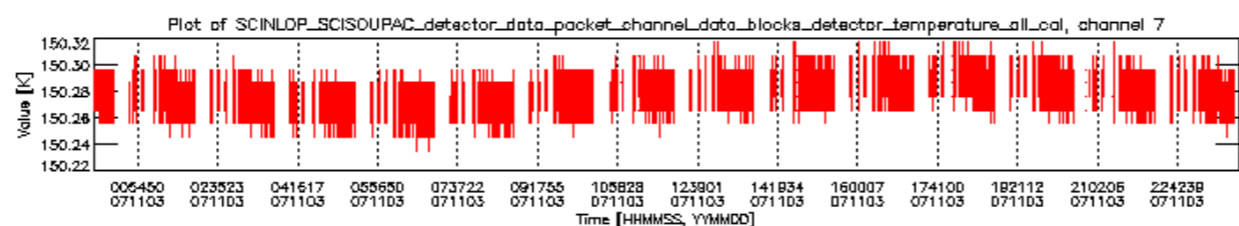
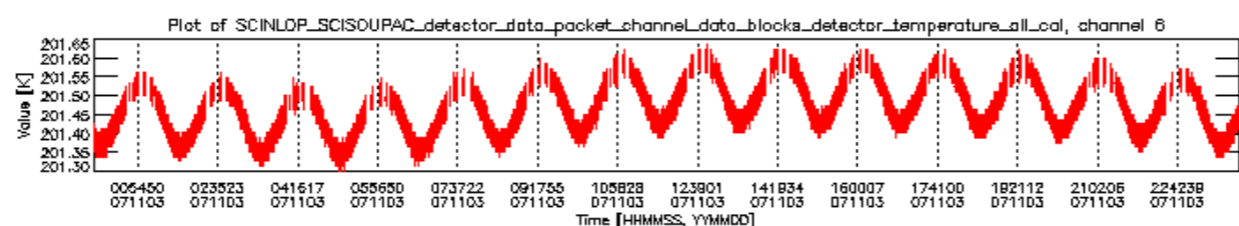
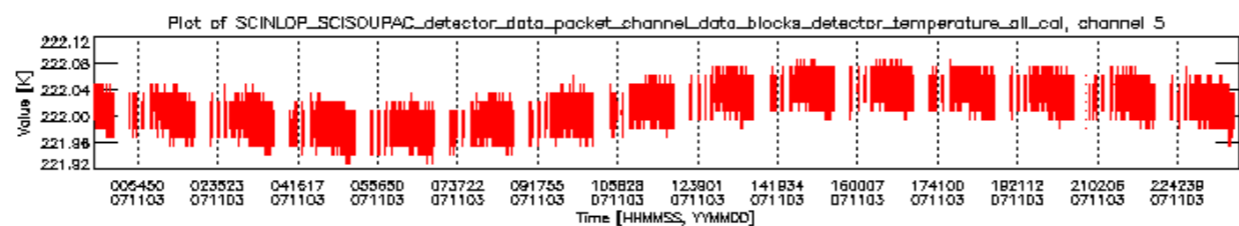
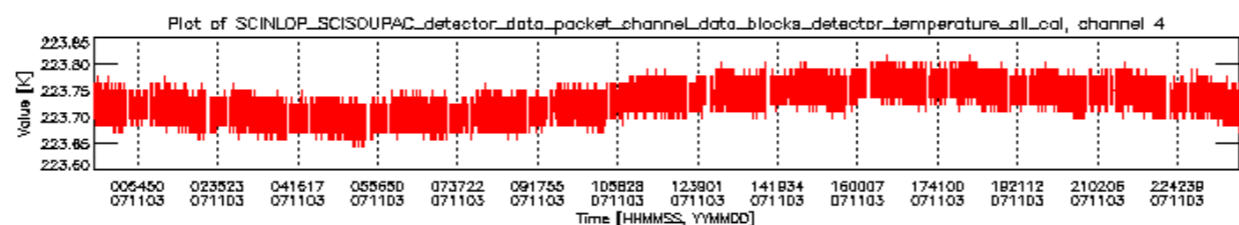
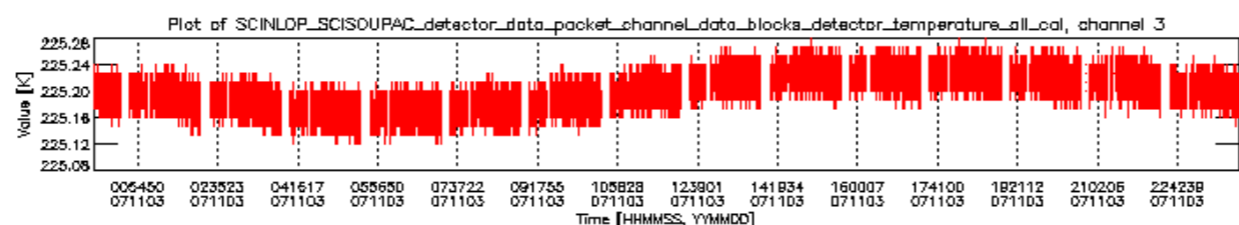
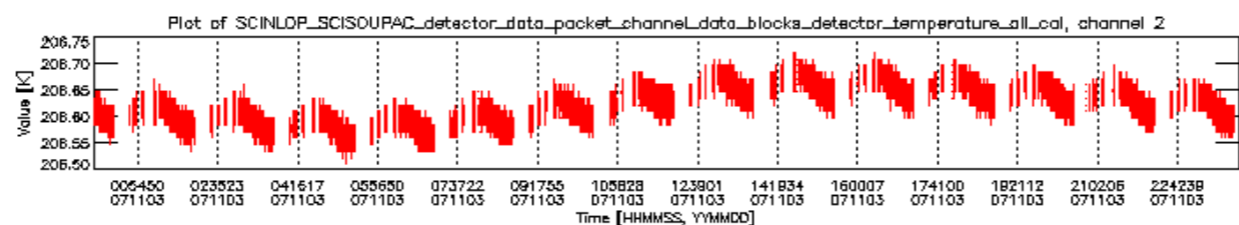
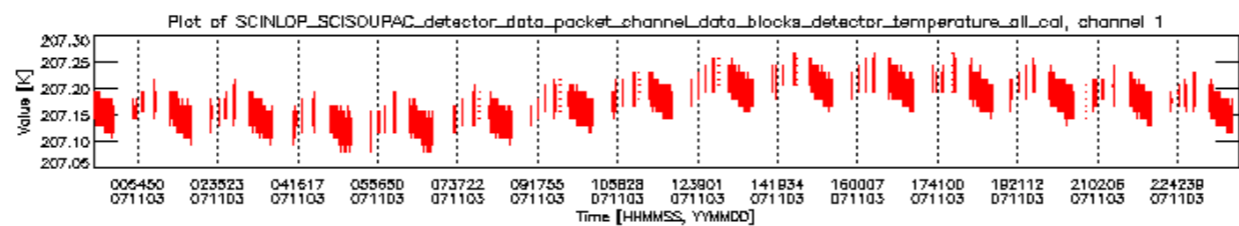
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071103_8.PNG



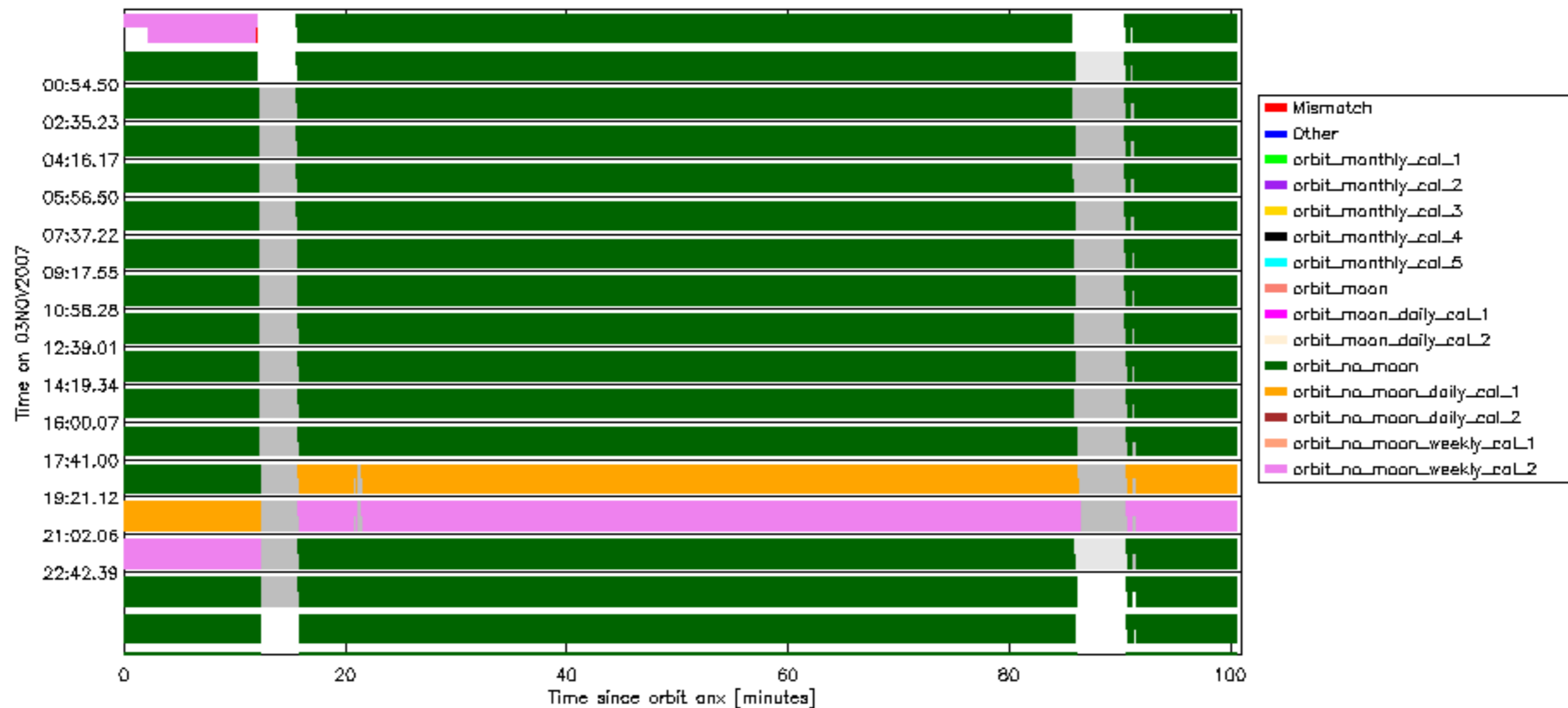


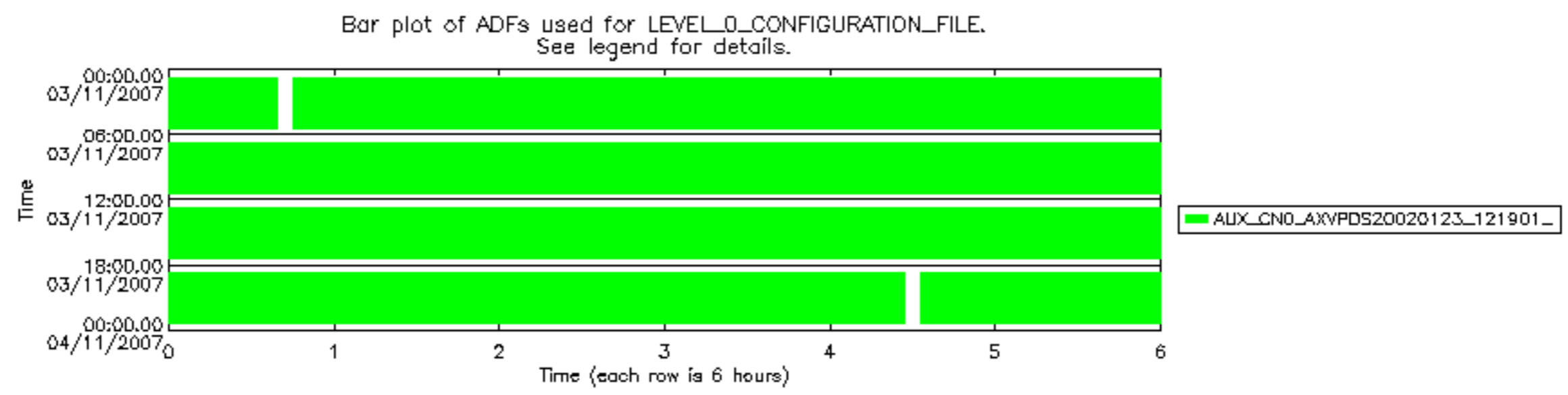






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 03NOV2007.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.





Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

