

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	20NOV2007 08:48:20
Data source version	KSPT_L0/4302-N
Processing scope for products	16NOV2007 00:00:00 to 17NOV2007 00:00:00
Start time of first product within scope	15NOV2007 22:56:50
Stop time of last product within scope	17NOV2007 00:00:03
Total number of level 0 products	16
Number of level 0 products with errors	0

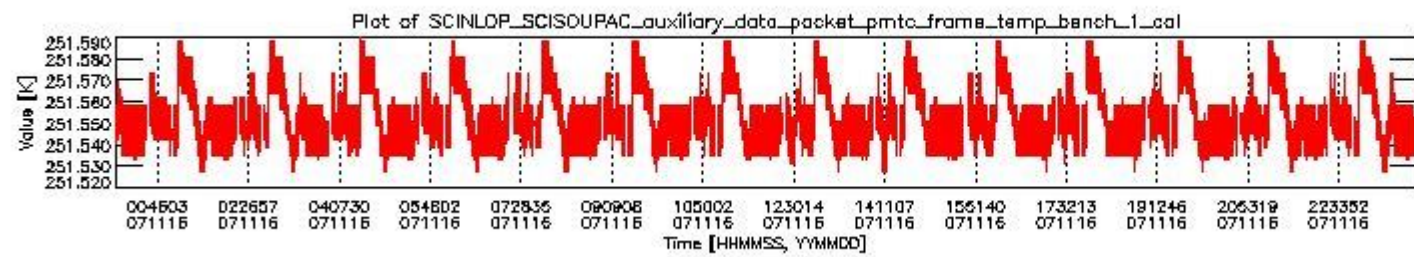
0.1.2 Summary per product

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

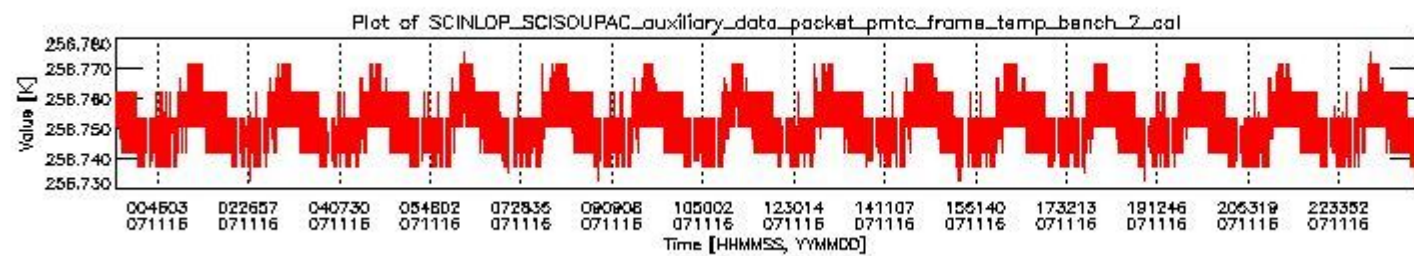
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20071115_225650_000056862063_00244_29857_5585.N1	15NOV2007 22:56:50	16NOV2007 00:31:36	0	0	0	0	0
1	SCI_NL__OPNPDE20071116_003726_000056732063_00245_29858_5586.N1	16NOV2007 00:37:26	16NOV2007 02:11:59	0	0	0	0	0
2	SCI_NL__OPNPDE20071116_021051_000044922063_00246_29859_5587.N1	16NOV2007 02:10:51	16NOV2007 03:25:43	0	0	0	0	0
3	SCI_NL__OPNPDE20071116_032543_000061612063_00247_29860_5588.N1	16NOV2007 03:25:43	16NOV2007 05:08:24	0	0	0	0	0
4	SCI_NL__OPNPDE20071116_050824_000060362063_00248_29861_5589.N1	16NOV2007 05:08:24	16NOV2007 06:49:00	0	0	0	0	0
5	SCI_NL__OPNPDK20071116_064804_000041572063_00249_29862_6645.N1	16NOV2007 06:48:04	16NOV2007 07:57:21	0	0	0	0	0
6	SCI_NL__OPNPDK20071116_075517_000061052063_00250_29863_6646.N1	16NOV2007 07:55:17	16NOV2007 09:37:02	0	0	0	0	0
7	SCI_NL__OPNPDK20071116_093606_000060922063_00251_29864_6647.N1	16NOV2007 09:36:06	16NOV2007 11:17:38	0	0	0	0	0
8	SCI_NL__OPNPDK20071116_111629_000060492063_00252_29865_6648.N1	16NOV2007 11:16:29	16NOV2007 12:57:18	0	0	0	0	0
9	SCI_NL__OPNPDK20071116_125610_000058692063_00253_29866_6649.N1	16NOV2007 12:56:10	16NOV2007 14:33:58	0	0	0	0	0
10	SCI_NL__OPNPDK20071116_143140_000060362063_00254_29867_6650.N1	16NOV2007 14:31:40	16NOV2007 16:12:17	0	0	0	0	0
11	SCI_NL__OPNPDK20071116_161217_000059242063_00255_29868_6651.N1	16NOV2007 16:12:17	16NOV2007 17:51:00	0	0	0	0	0
12	SCI_NL__OPNPDK20071116_174908_000057372063_00256_29869_6652.N1	16NOV2007 17:49:08	16NOV2007 19:24:45	0	0	0	0	0
13	SCI_NL__OPNPDK20071116_192945_000060362063_00257_29870_6653.N1	16NOV2007 19:29:45	16NOV2007 21:10:21	0	0	0	0	0
14	SCI_NL__OPNPDE20071116_211021_000041332063_00258_29871_5590.N1	16NOV2007 21:10:21	16NOV2007 22:19:14	0	0	0	0	0
15	SCI_NL__OPNPDE20071116_222518_000056852063_00258_29871_5591.N1	16NOV2007 22:25:18	17NOV2007 00:00:03	0	0	0	0	0

0.2 Product Quality Indicators

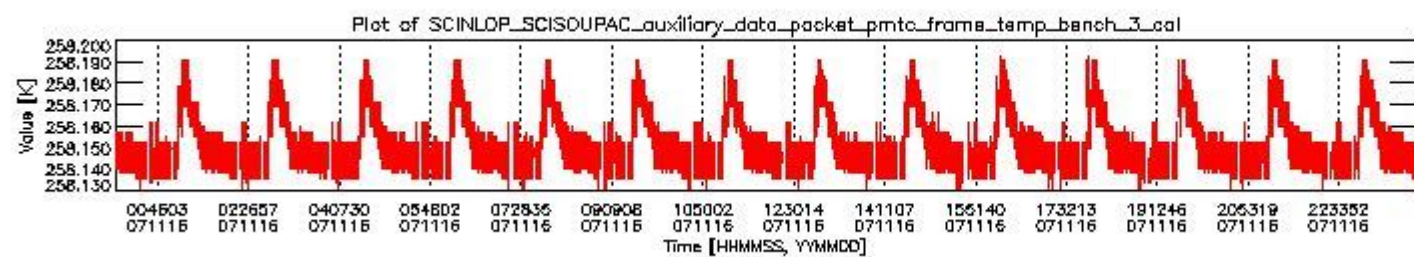
This section shows information about product quality, currently temperatures.



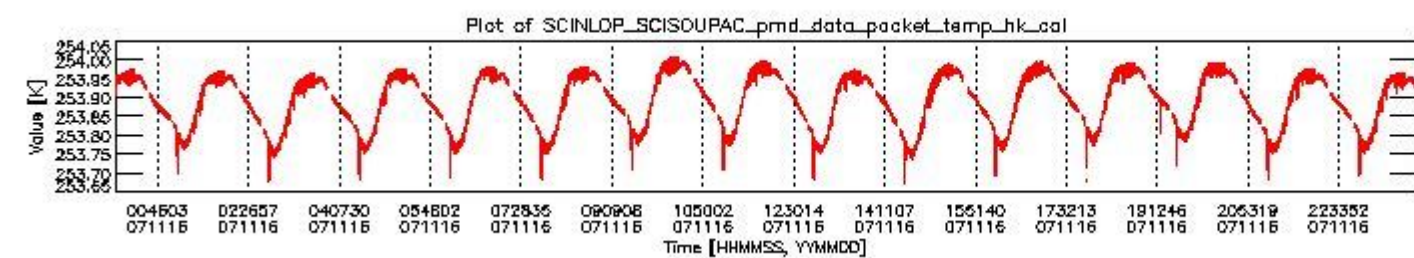
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071116_0.PNG



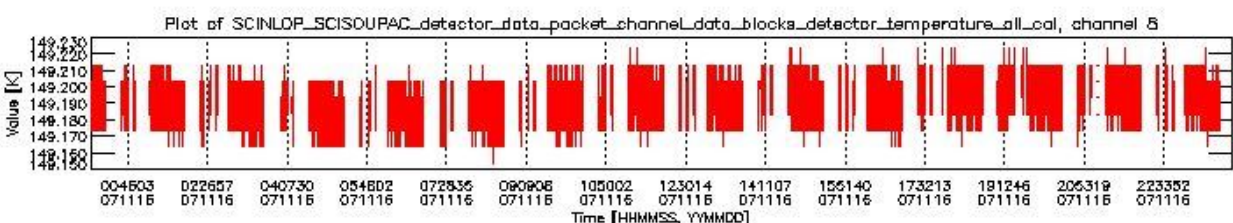
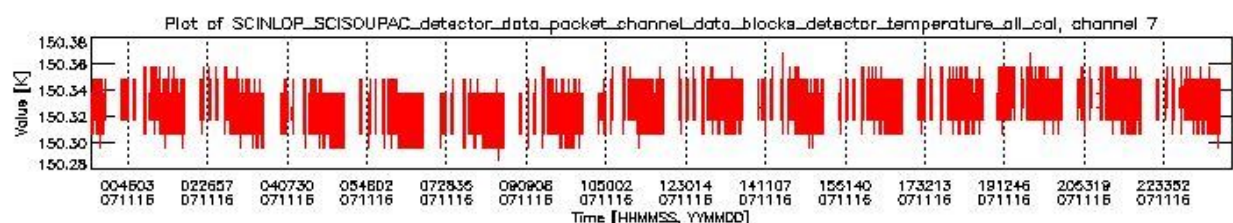
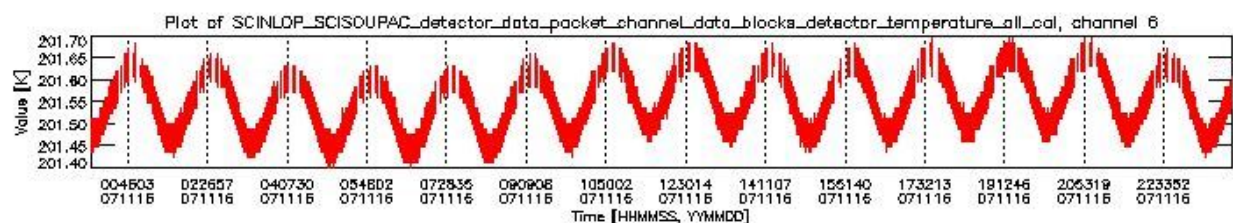
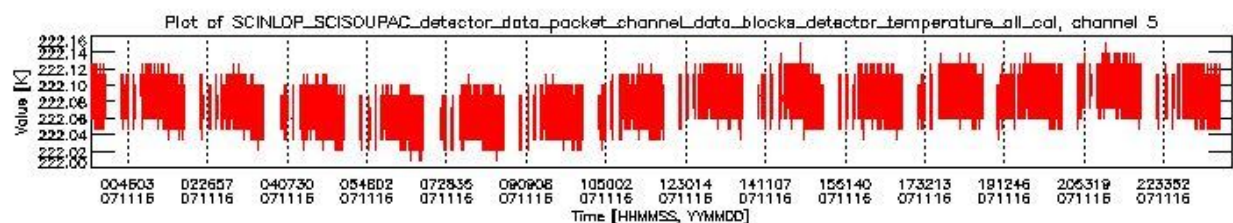
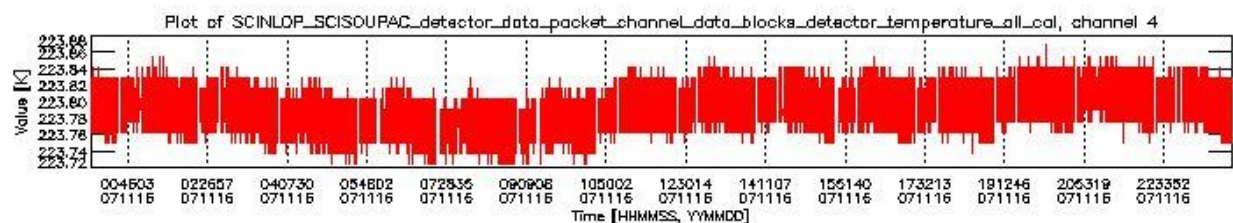
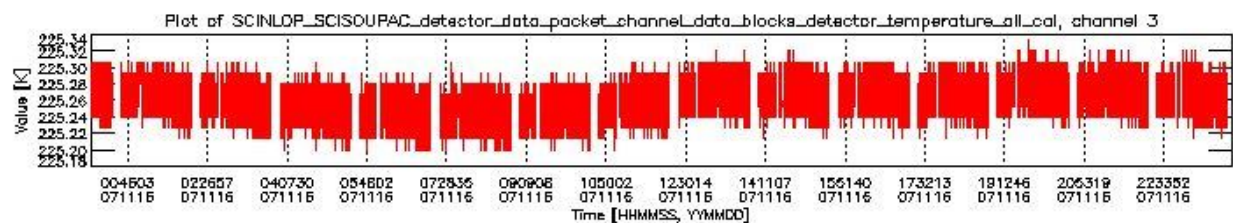
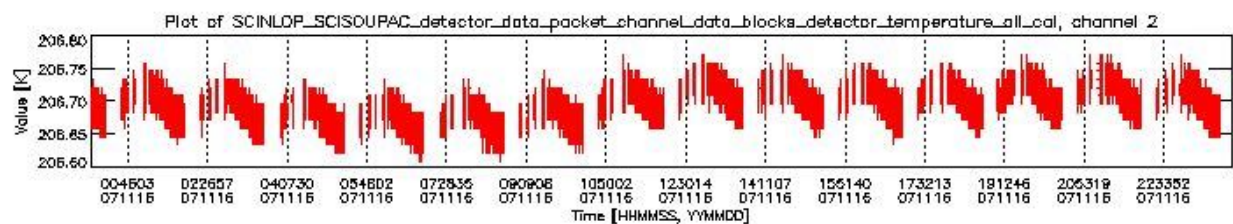
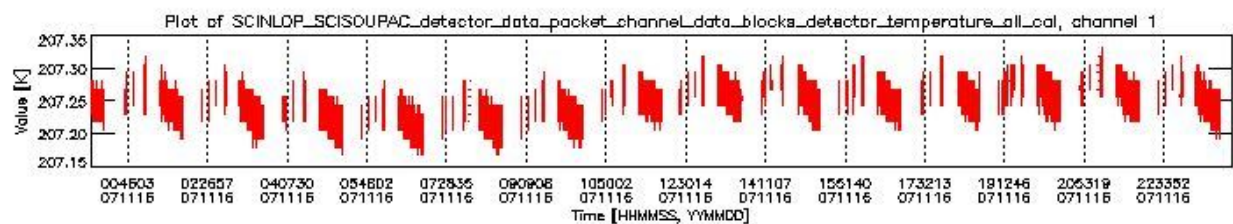
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071116_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20071116_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20071116_3.PNG

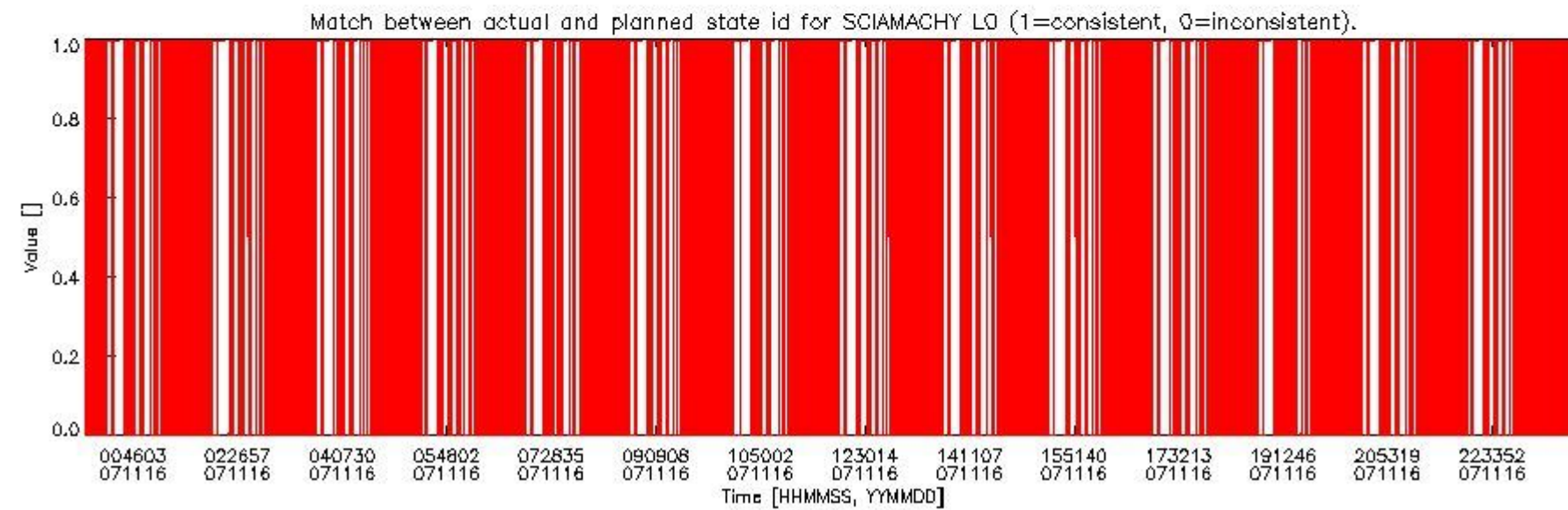
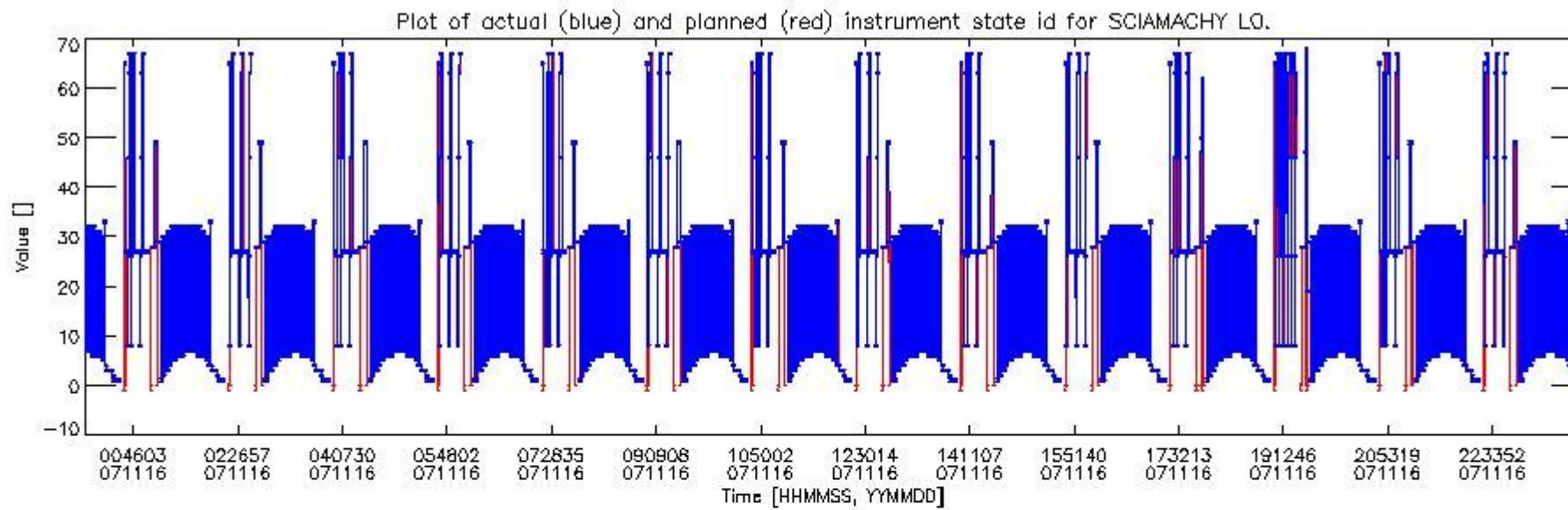


0.3 State monitoring

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: **38822**

#	Actual time	Actual value	Planned time	Planned value
0	16NOV2007 00:00:22.374009	7	16NOV2007 00:00:22.374009	32
1	16NOV2007 00:00:22.749022	7	16NOV2007 00:00:22.749022	32
2	16NOV2007 00:00:22.999030	7	16NOV2007 00:00:22.999030	32
3	16NOV2007 00:00:23.248999	7	16NOV2007 00:00:23.248999	32
4	16NOV2007 00:00:23.499008	7	16NOV2007 00:00:23.499008	32
5	16NOV2007 00:00:23.749016	7	16NOV2007 00:00:23.749016	32
6	16NOV2007 00:00:23.999025	7	16NOV2007 00:00:23.999025	32
7	16NOV2007 00:00:24.249034	7	16NOV2007 00:00:24.249034	32
8	16NOV2007 00:00:24.499002	7	16NOV2007 00:00:24.499002	32
9	16NOV2007 00:00:24.749011	7	16NOV2007 00:00:24.749011	32
10	16NOV2007 00:00:24.999020	7	16NOV2007 00:00:24.999020	32
11	16NOV2007 00:00:25.249028	7	16NOV2007 00:00:25.249028	32
12	16NOV2007 00:00:25.499037	7	16NOV2007 00:00:25.499037	32
13	16NOV2007 00:00:25.749005	7	16NOV2007 00:00:25.749005	32
14	16NOV2007 00:00:25.999014	7	16NOV2007 00:00:25.999014	32
15	16NOV2007 00:00:26.249023	7	16NOV2007 00:00:26.249023	32
16	16NOV2007 00:00:26.499031	7	16NOV2007 00:00:26.499031	32
17	16NOV2007 00:00:26.749000	7	16NOV2007 00:00:26.749000	32
18	16NOV2007 00:00:26.999009	7	16NOV2007 00:00:26.999009	32
19	16NOV2007 00:00:27.249017	7	16NOV2007 00:00:27.249017	32

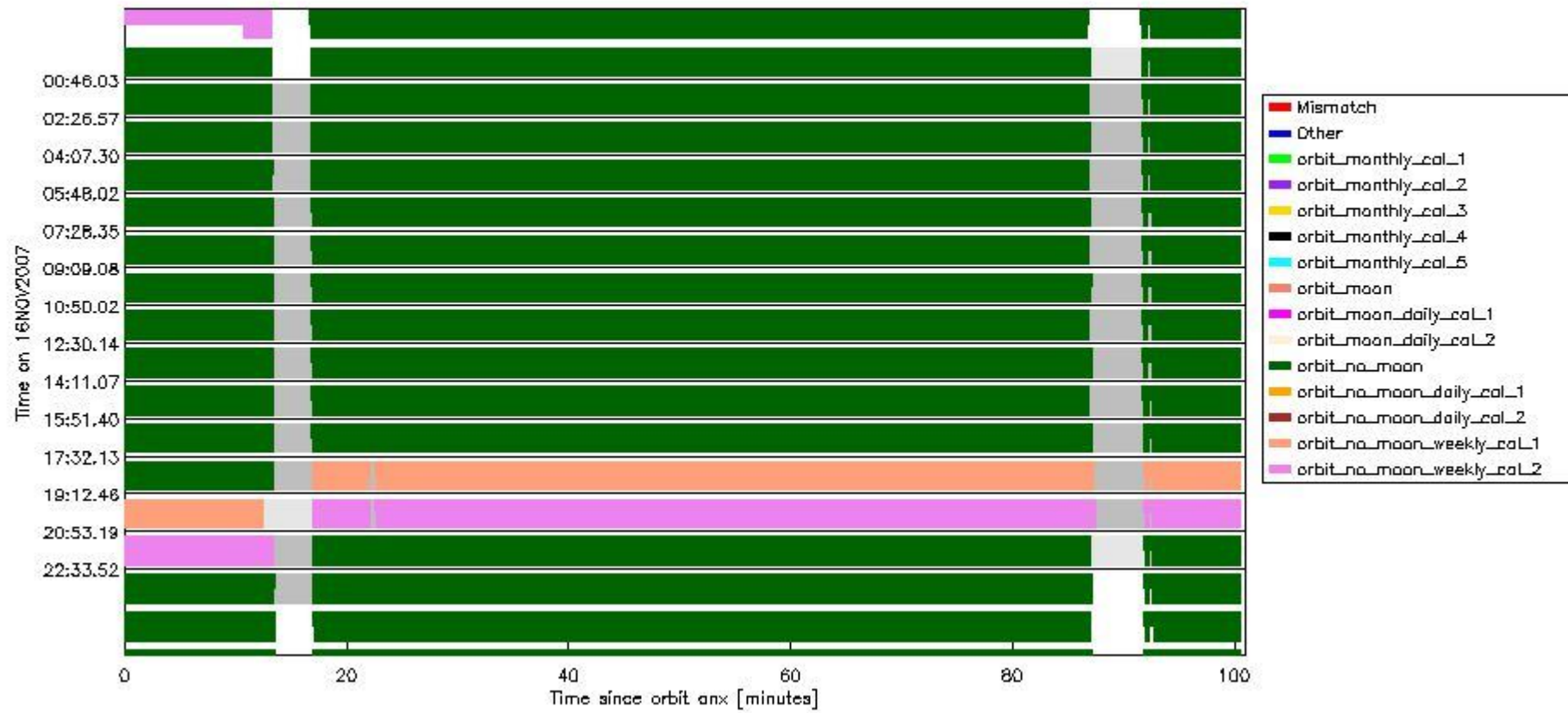


sciamachy_daily_report_level0_KSPT_L0_4302_N_20071116_5.PNG

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 16NOV2007.
 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_20071116_6.PNG

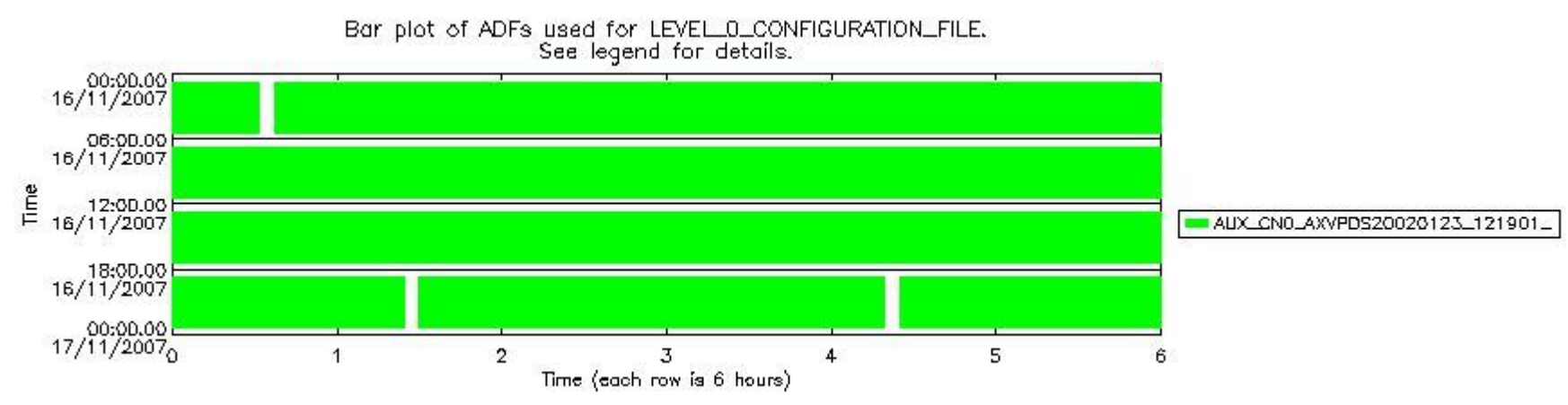
0.4 ADF monitoring

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

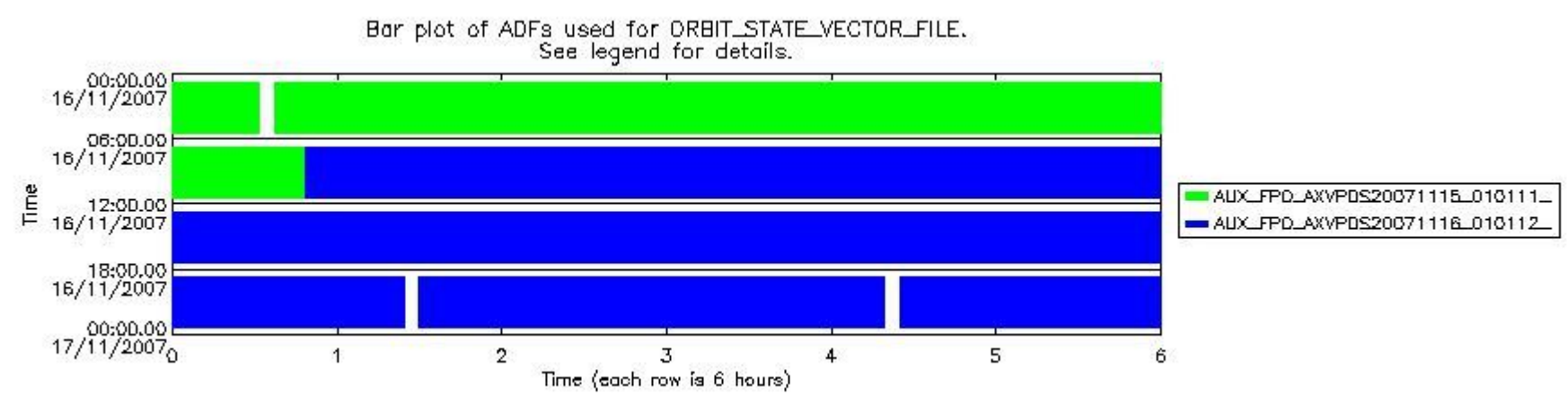
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

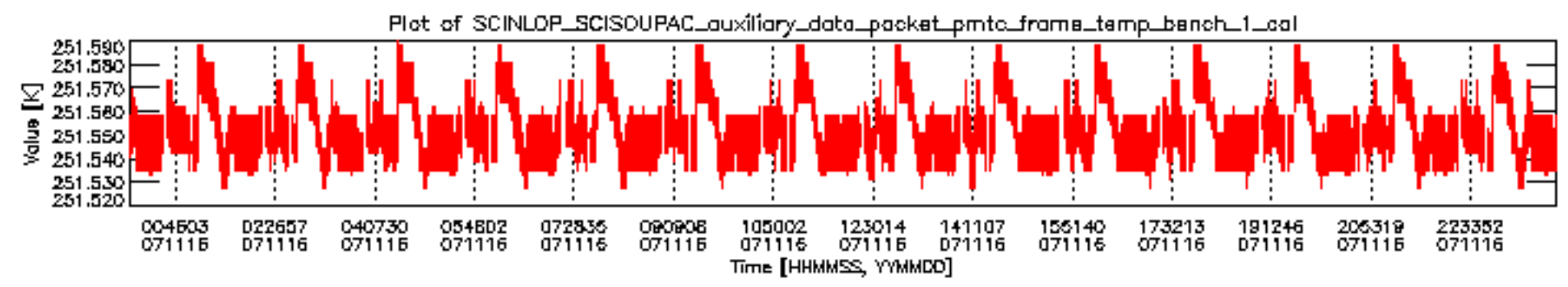
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20071115_010111_20071114_183527_20071124_200139
2	AUX_FPO_AXVPDS20071116_010112_20071115_194426_20071125_211038

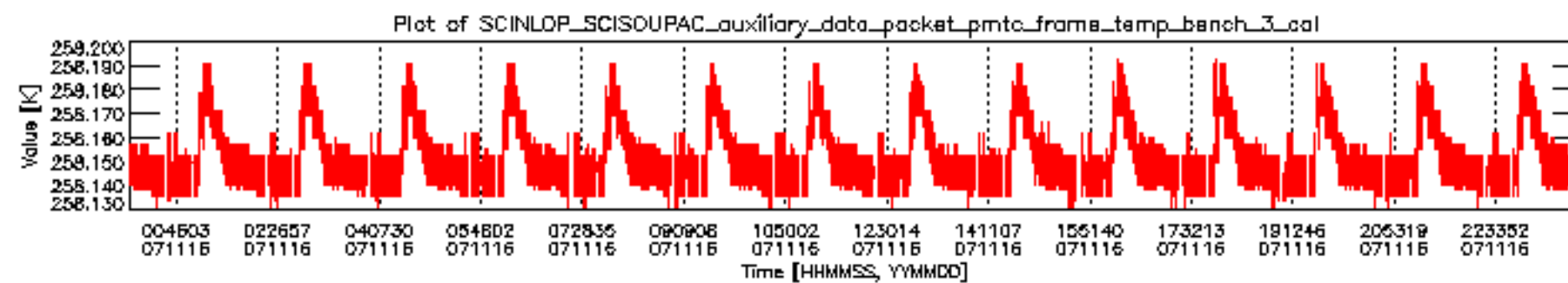


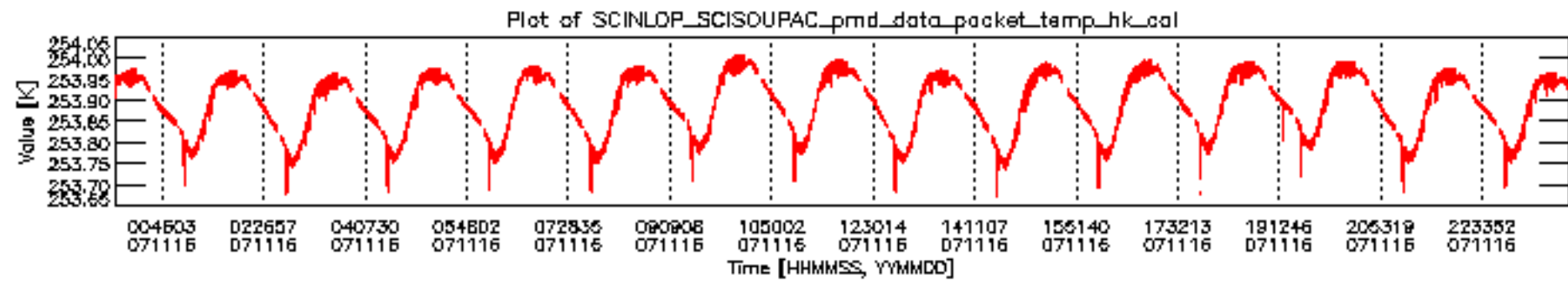
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071116_7.PNG

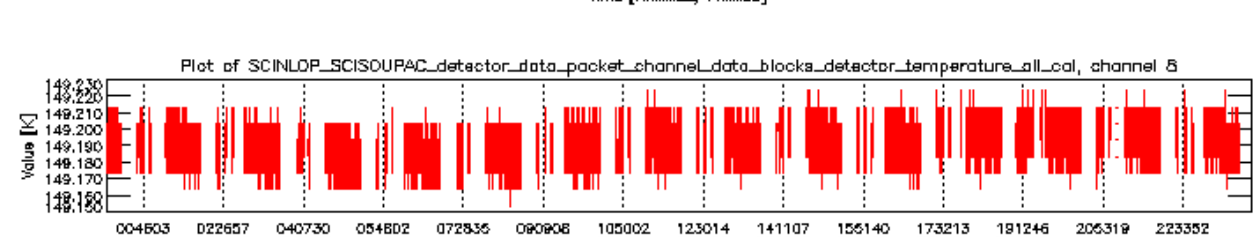
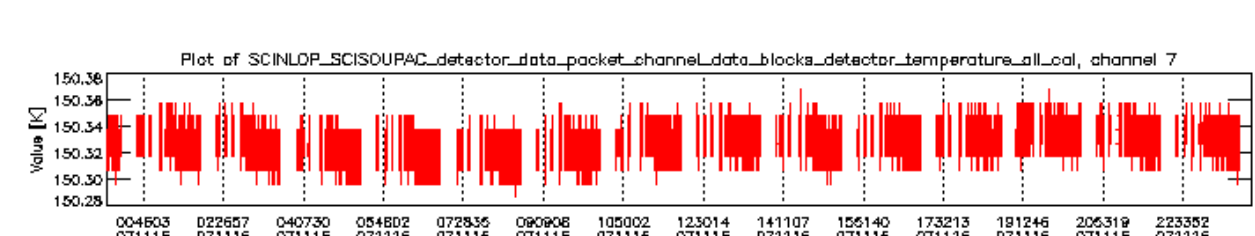
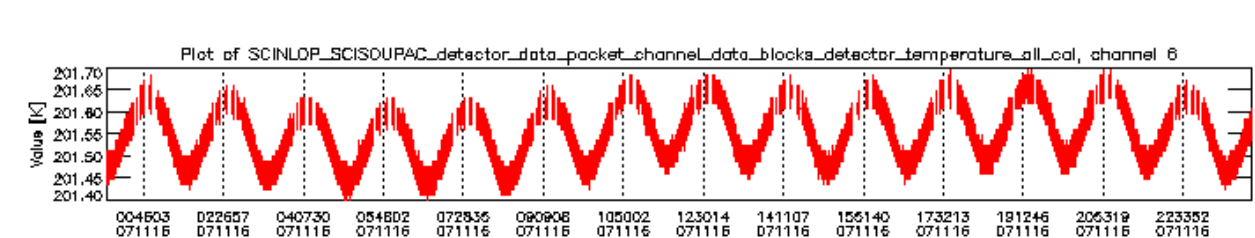
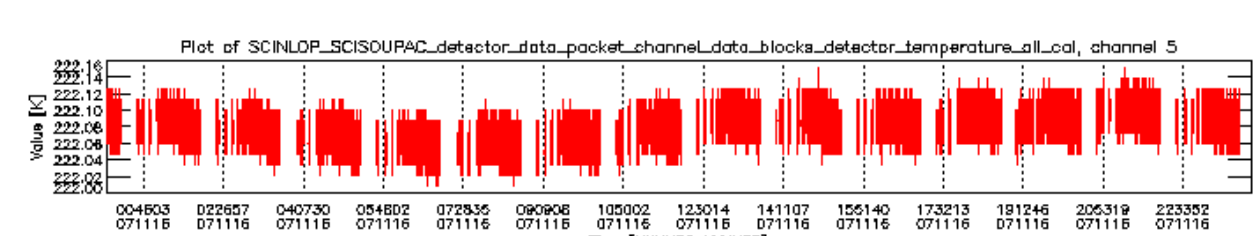
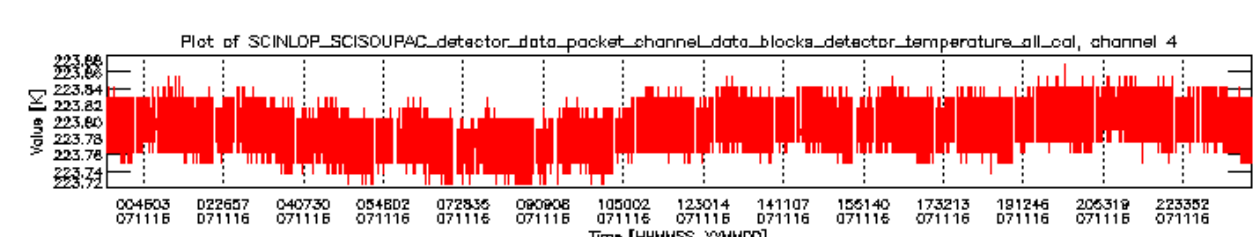
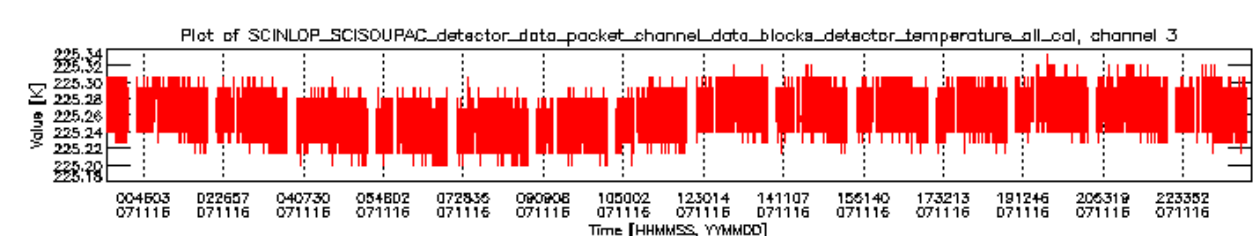
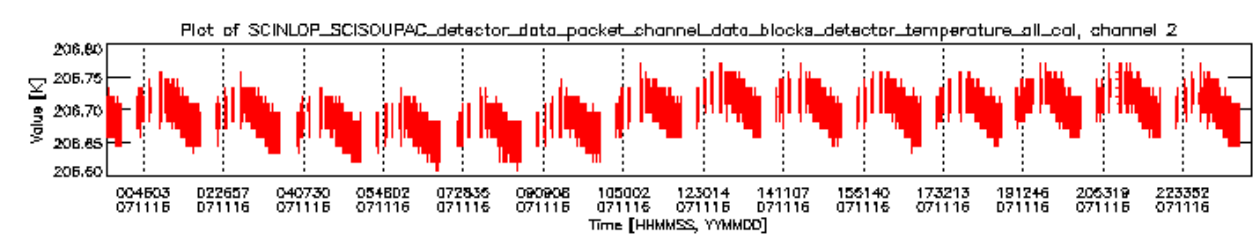
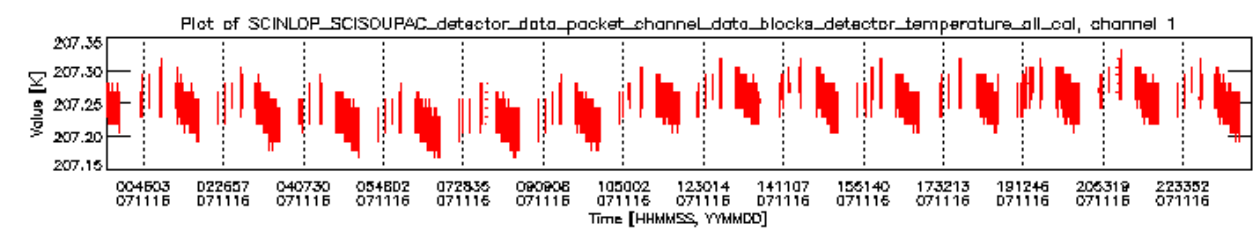


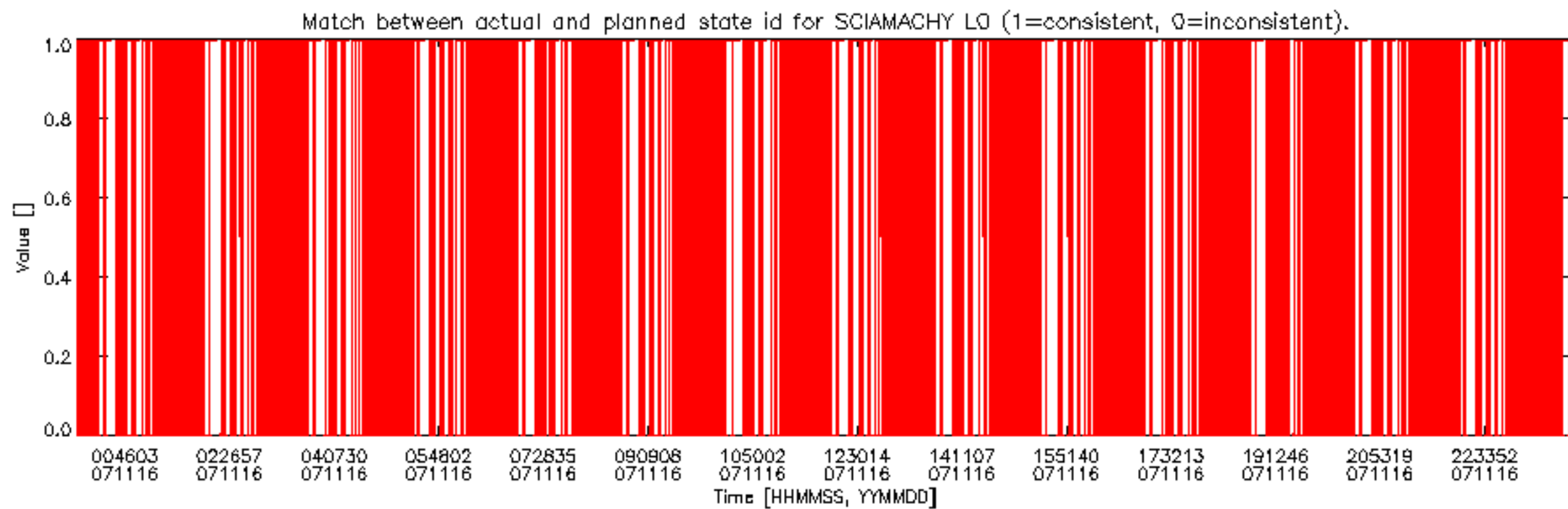
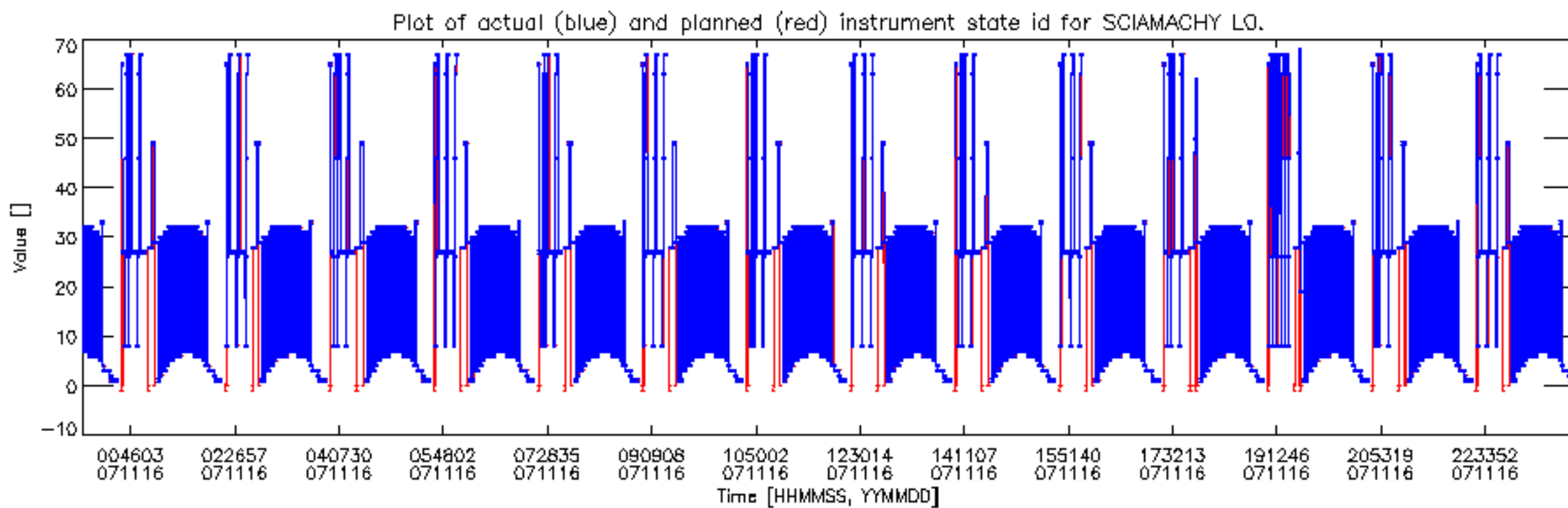
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071116_8.PNG

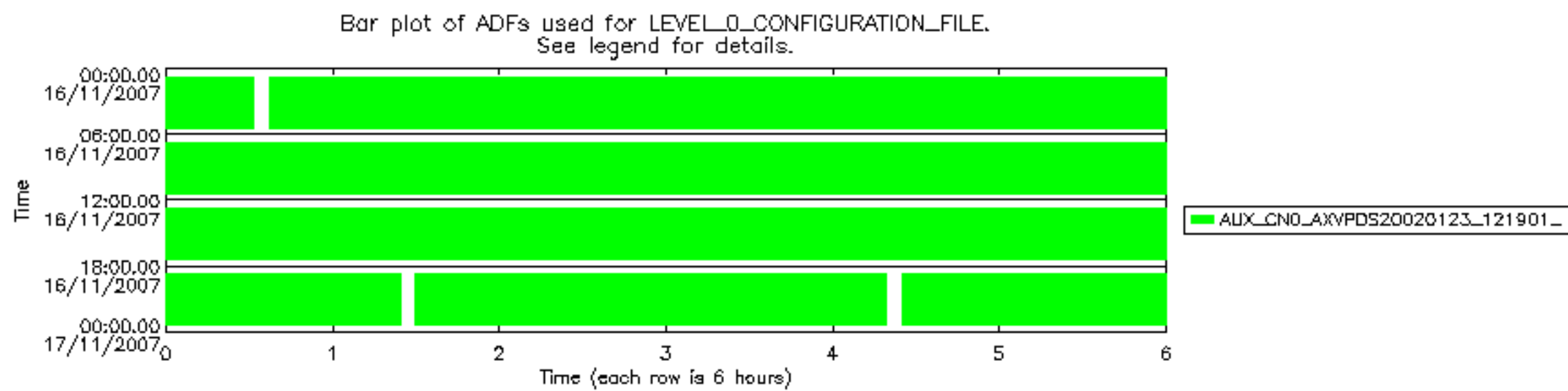












Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

