

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	25OCT2007 07:13:06
Data source version	KSPT_L0/4302-N
Processing scope for products	23OCT2007 00:00:00 to 24OCT2007 00:00:00
Start time of first product within scope	22OCT2007 23:49:07
Stop time of last product within scope	24OCT2007 00:54:06
Total number of level 0 products	16
Number of level 0 products with errors	0

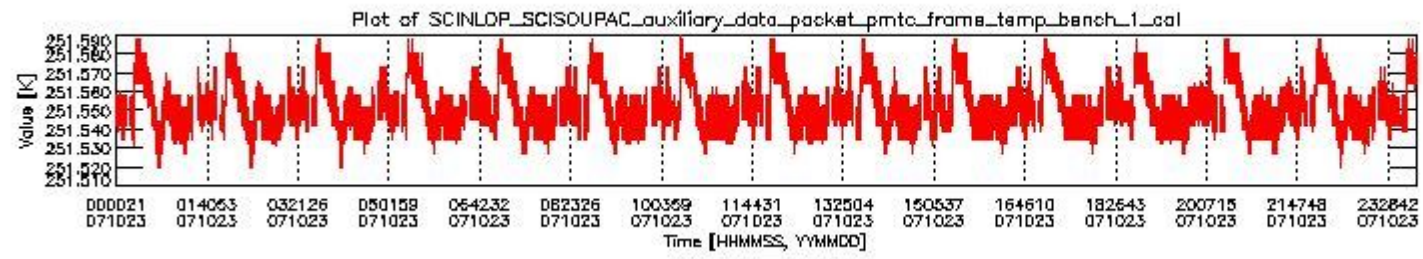
0.1.2 Summary per product

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

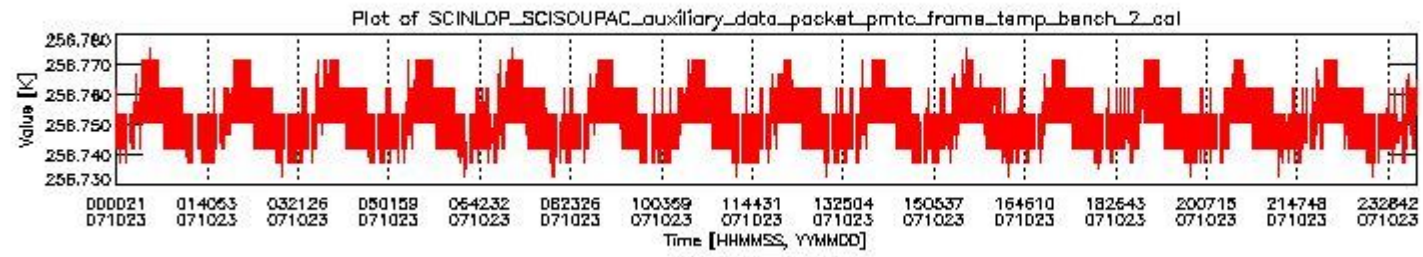
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20071022_234907_000056892062_00402_29514_5427.N1	22OCT2007 23:49:07	23OCT2007 01:23:56	0	0	0	0	0
1	SCI_NL__OPNPDE20071023_012943_000042442062_00403_29515_5428.N1	23OCT2007 01:29:43	23OCT2007 02:40:28	0	0	0	0	0
2	SCI_NL__OPNPDE20071023_023932_000061612062_00404_29516_5429.N1	23OCT2007 02:39:32	23OCT2007 04:22:13	0	0	0	0	0
3	SCI_NL__OPNPDE20071023_042117_000060922062_00405_29517_5430.N1	23OCT2007 04:21:17	23OCT2007 06:02:49	0	0	0	0	0
4	SCI_NL__OPNPDK20071023_060141_000040582062_00406_29518_6422.N1	23OCT2007 06:01:41	23OCT2007 07:09:19	0	0	0	0	0
5	SCI_NL__OPNPDK20071023_070810_000062172062_00407_29519_6423.N1	23OCT2007 07:08:10	23OCT2007 08:51:47	0	0	0	0	0
6	SCI_NL__OPNPDK20071023_085051_000060362062_00408_29520_6424.N1	23OCT2007 08:50:51	23OCT2007 10:31:27	0	0	0	0	0
7	SCI_NL__OPNPDK20071023_102923_000059682062_00409_29521_6425.N1	23OCT2007 10:29:23	23OCT2007 12:08:51	0	0	0	0	0
8	SCI_NL__OPNPDK20071023_120659_000062172062_00410_29522_6426.N1	23OCT2007 12:06:59	23OCT2007 13:50:36	0	0	0	0	0
9	SCI_NL__OPNPDK20071023_134831_000059812062_00411_29523_6427.N1	23OCT2007 13:48:31	23OCT2007 15:28:12	0	0	0	0	0
10	SCI_NL__OPNPDK20071023_152620_000058992062_00412_29524_6428.N1	23OCT2007 15:26:20	23OCT2007 17:04:39	0	0	0	0	0
11	SCI_NL__OPNPDK20071023_170439_000059802062_00413_29525_6429.N1	23OCT2007 17:04:39	23OCT2007 18:44:18	0	0	0	0	0
12	SCI_NL__OPNPDK20071023_184226_000056772062_00414_29526_6430.N1	23OCT2007 18:42:26	23OCT2007 20:17:03	0	0	0	0	0
13	SCI_NL__OPNPDE20071023_202207_000042352062_00415_29527_5431.N1	23OCT2007 20:22:07	23OCT2007 21:32:42	0	0	0	0	0
14	SCI_NL__OPNPDE20071023_213700_000057842062_00415_29527_5432.N1	23OCT2007 21:37:00	23OCT2007 23:13:24	0	0	0	0	0
15	SCI_NL__OPNPDE20071023_231324_000060422062_00416_29528_5433.N1	23OCT2007 23:13:24	24OCT2007 00:54:06	0	0	0	0	0

0.2 Product Quality Indicators

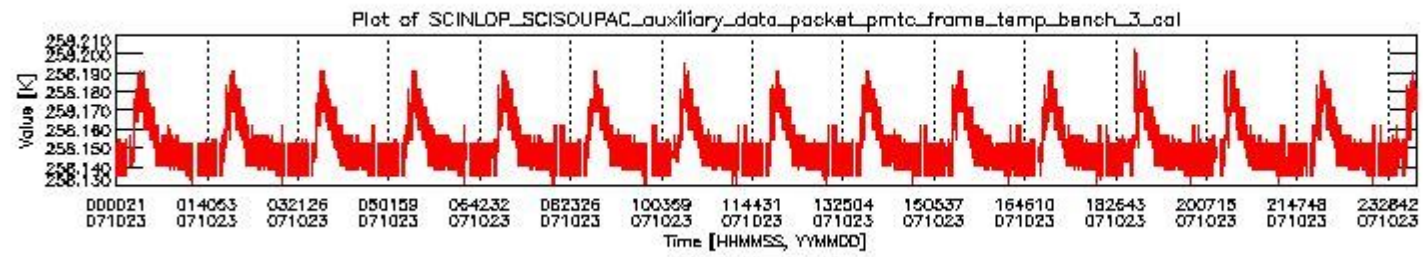
This section shows information about product quality, currently temperatures.



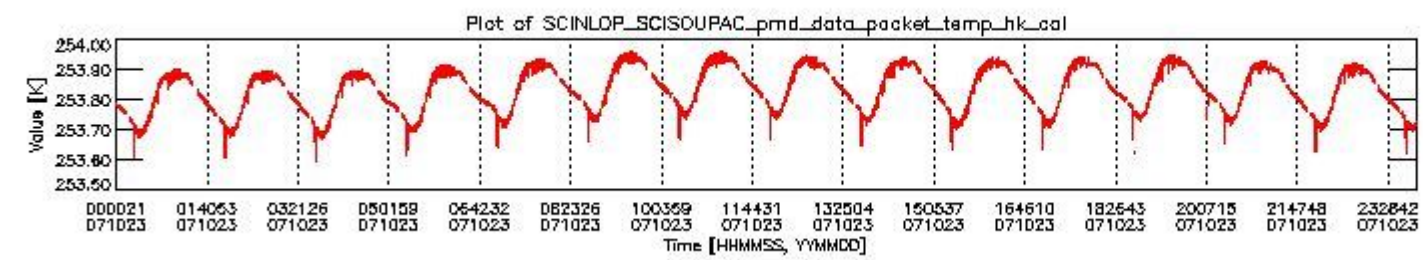
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071023_0.PNG



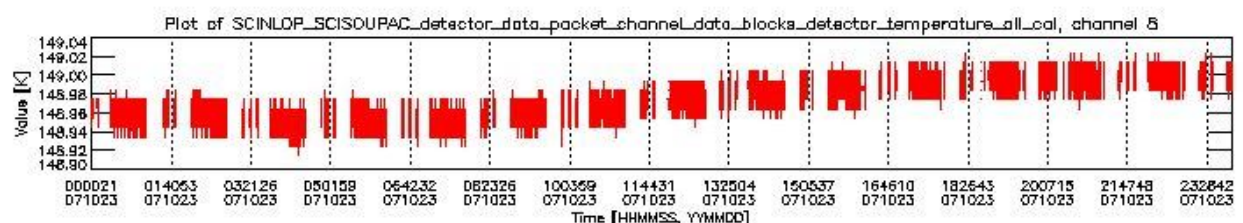
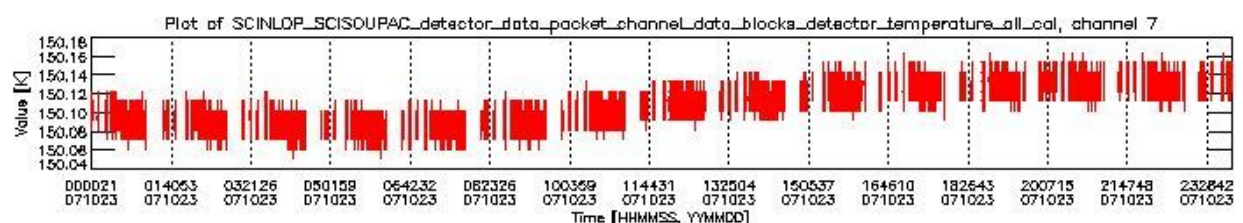
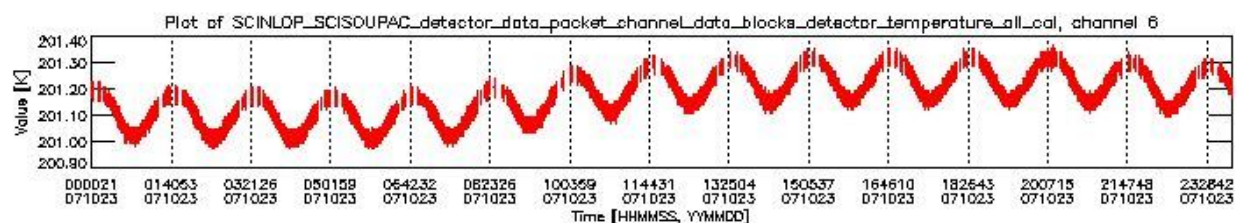
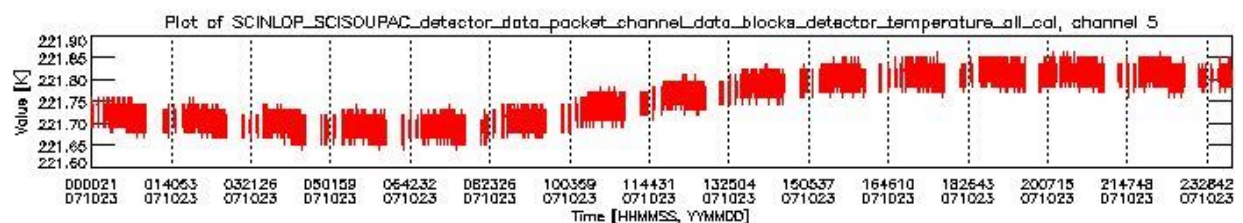
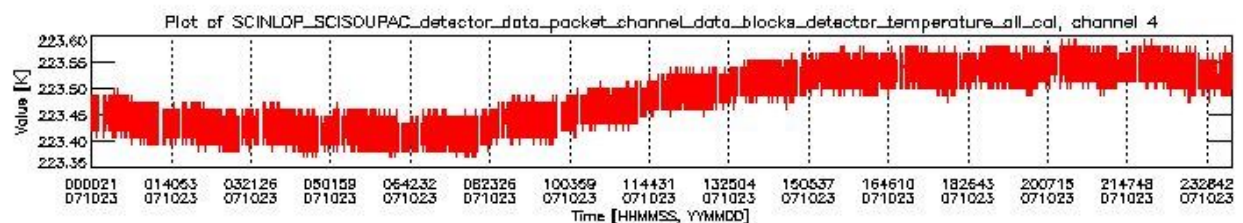
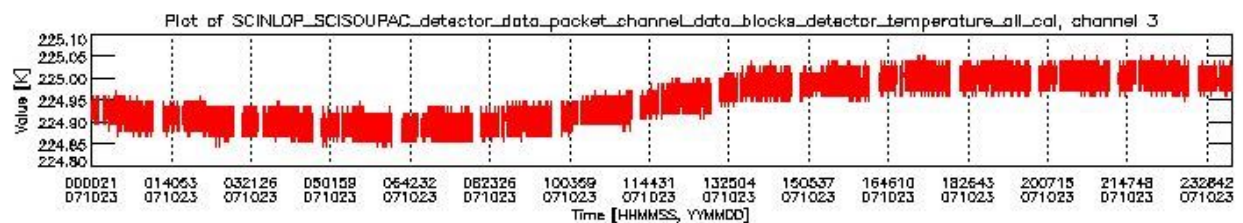
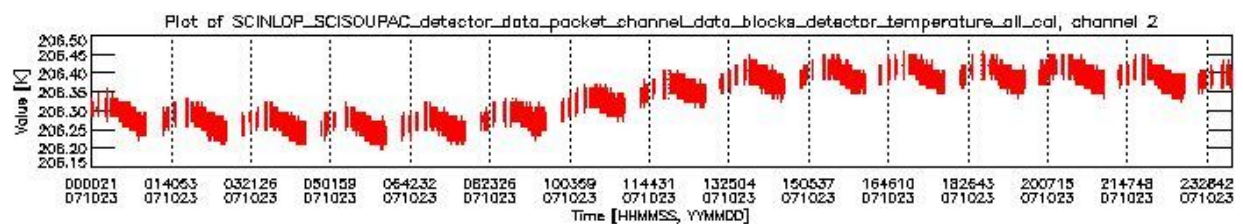
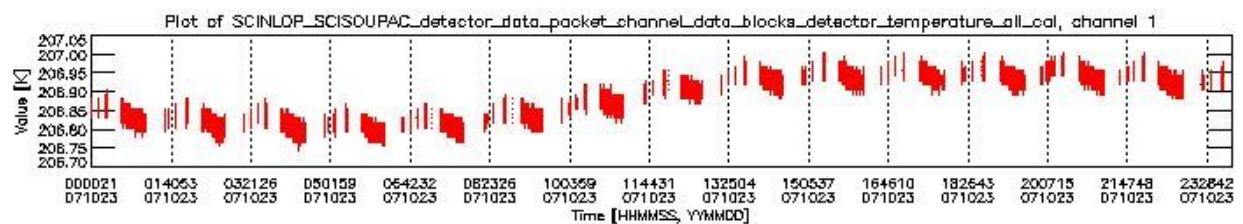
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sciamachy_daily_report_level0_KSPT_L0_4302_N_20071023_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20071023_3.PNG

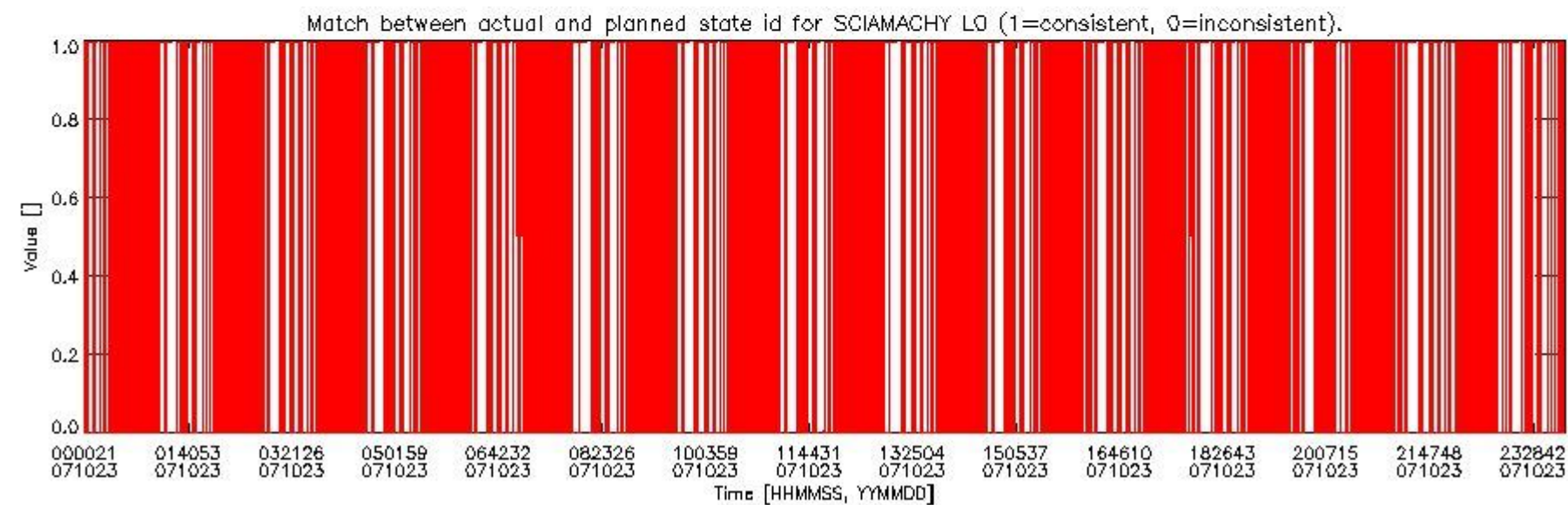
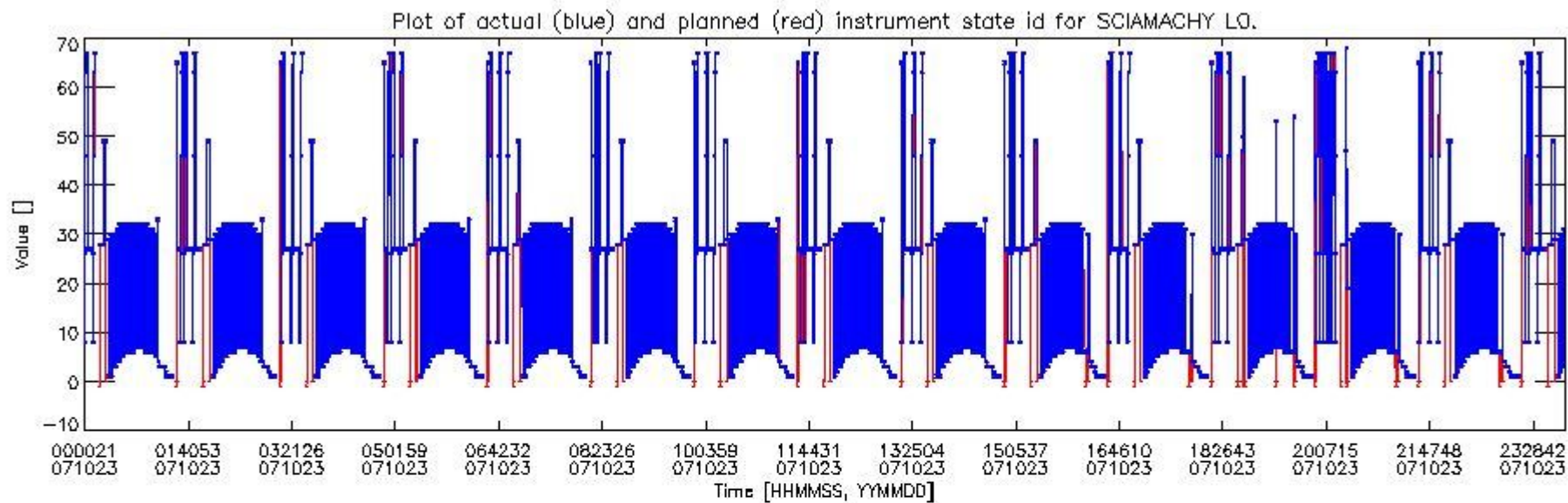


0.3 State monitoring

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: **30146**

#	Actual time	Actual value	Planned time	Planned value
0	23OCT2007 00:00:00.095594	26	23OCT2007 00:00:00.095594	8
1	23OCT2007 00:00:00.220598	26	23OCT2007 00:00:00.220598	8
2	23OCT2007 00:00:00.720575	26	23OCT2007 00:00:00.720575	8
3	23OCT2007 00:00:01.220593	26	23OCT2007 00:00:01.220593	8
4	23OCT2007 00:00:01.720570	26	23OCT2007 00:00:01.720570	8
5	23OCT2007 00:00:02.220587	26	23OCT2007 00:00:02.220587	8
6	23OCT2007 00:00:28.658062	46	23OCT2007 00:00:28.658062	26
7	23OCT2007 00:00:29.283084	46	23OCT2007 00:00:29.283084	26
8	23OCT2007 00:00:29.783101	46	23OCT2007 00:00:29.783101	26
9	23OCT2007 00:00:30.283079	46	23OCT2007 00:00:30.283079	26
10	23OCT2007 00:00:30.783096	46	23OCT2007 00:00:30.783096	26
11	23OCT2007 00:00:31.283073	46	23OCT2007 00:00:31.283073	26
12	23OCT2007 00:00:31.783091	46	23OCT2007 00:00:31.783091	26
13	23OCT2007 00:00:32.283068	46	23OCT2007 00:00:32.283068	26
14	23OCT2007 00:00:32.783085	46	23OCT2007 00:00:32.783085	26
15	23OCT2007 00:00:33.283062	46	23OCT2007 00:00:33.283062	26
16	23OCT2007 00:00:33.658075	46	23OCT2007 00:00:33.658075	26
17	23OCT2007 00:00:33.783080	46	23OCT2007 00:00:33.783080	26
18	23OCT2007 00:00:34.283097	46	23OCT2007 00:00:34.283097	26
19	23OCT2007 00:00:34.783074	46	23OCT2007 00:00:34.783074	26

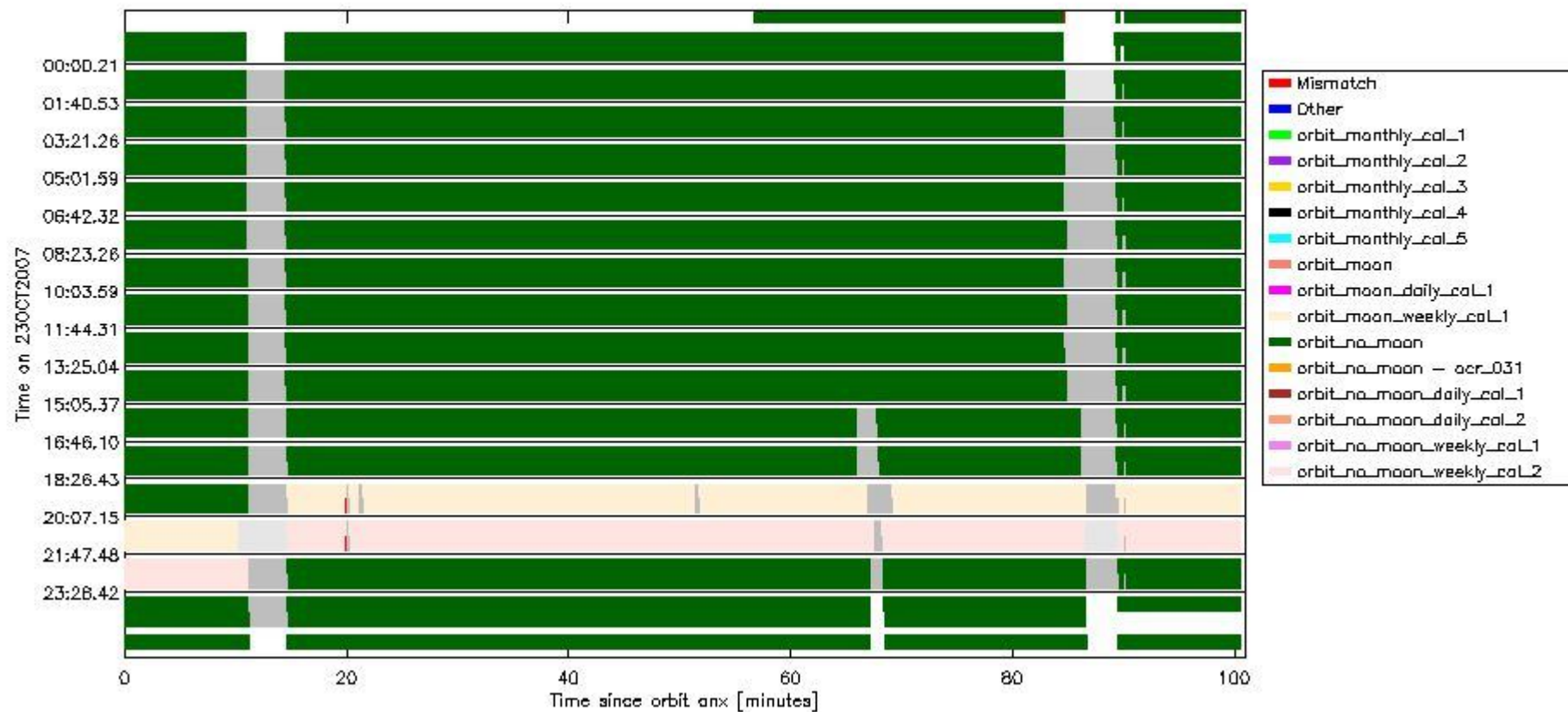


sciamachy_daily_report_level0_KSPT_L0_4302_N_20071023_5.PNG

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 23OCT2007.
 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_20071023_6.PNG

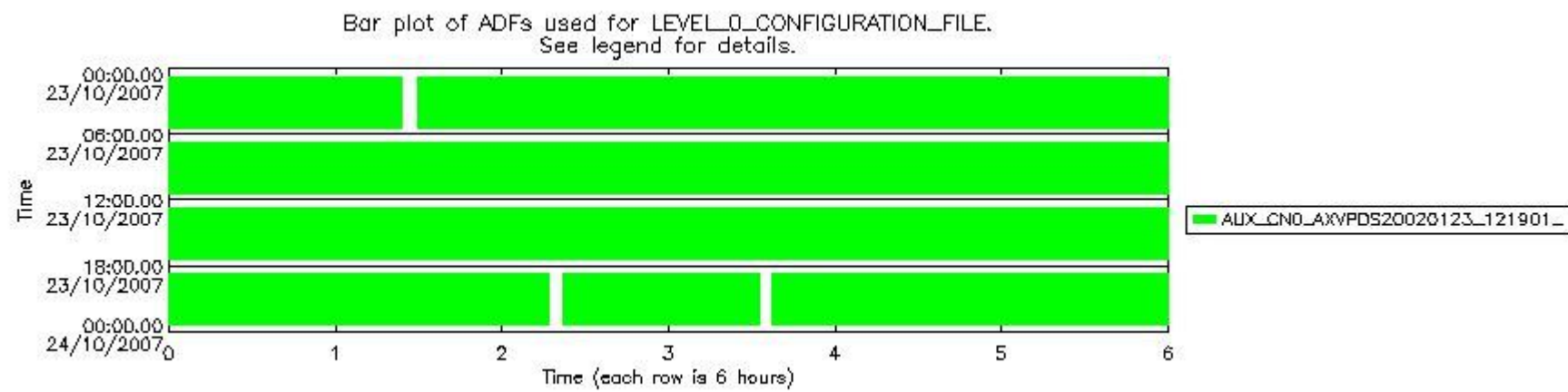
0.4 ADF monitoring

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

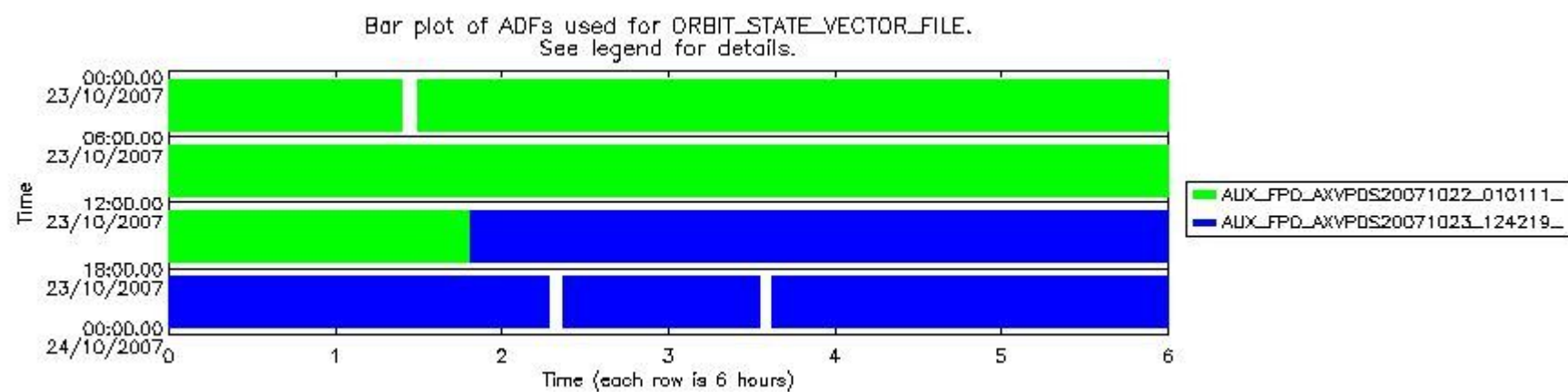
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

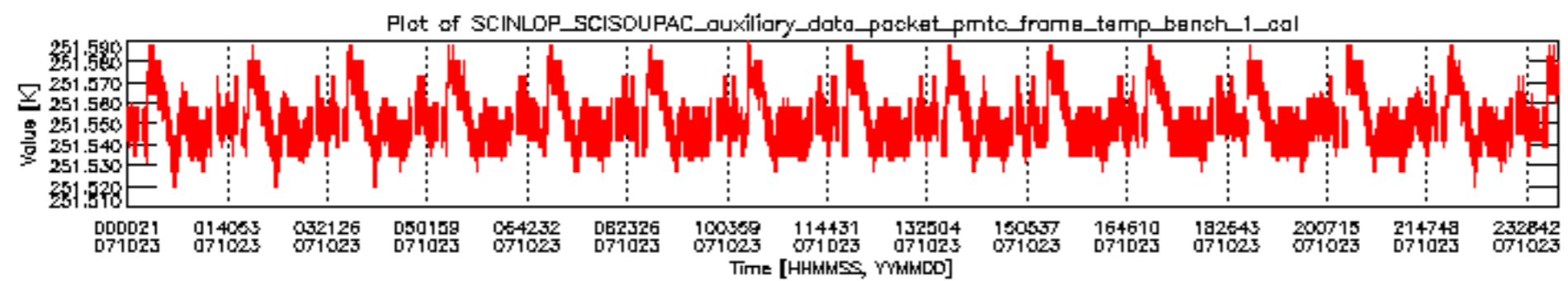
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20071022_010111_20071021_193005_20071031_205618
2	AUX_FPO_AXVPDS20071023_124219_20071022_185828_20071101_202441

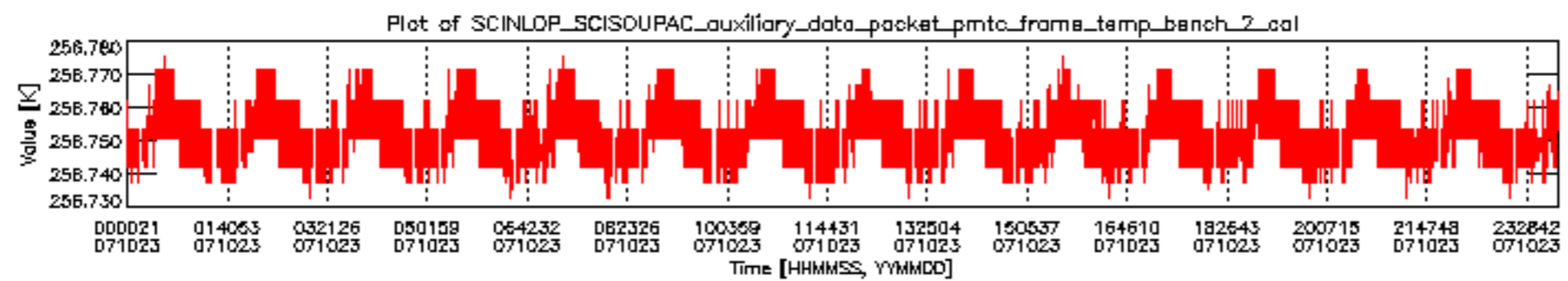


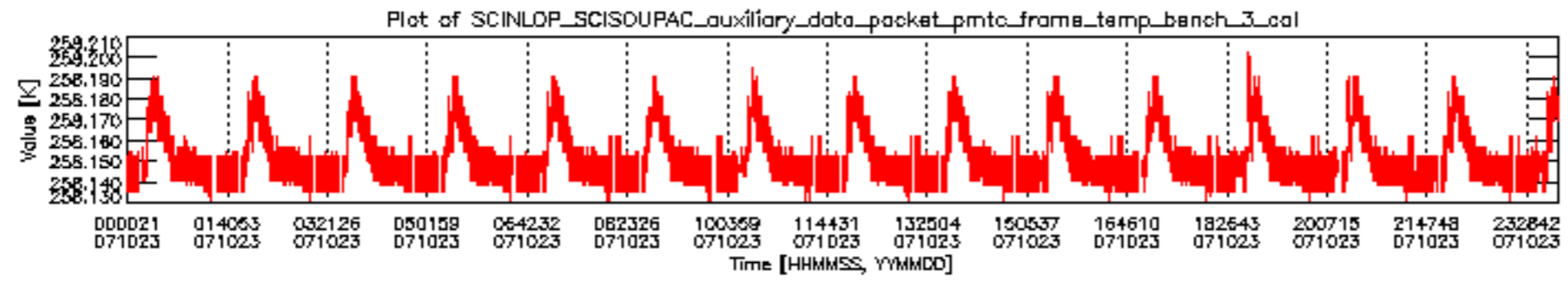
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071023_7.PNG

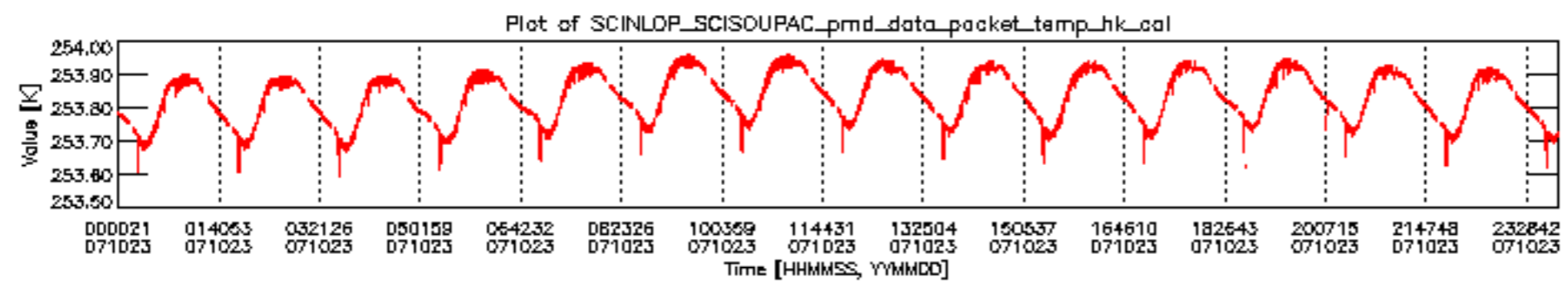


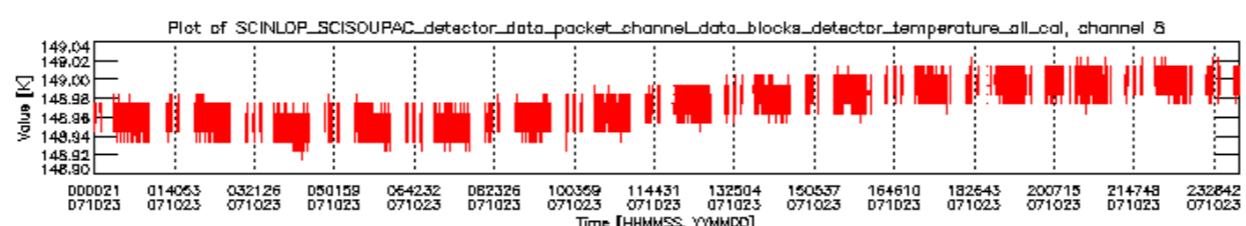
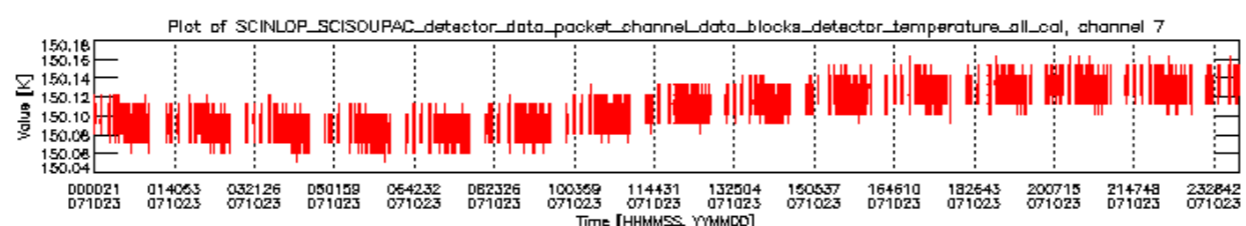
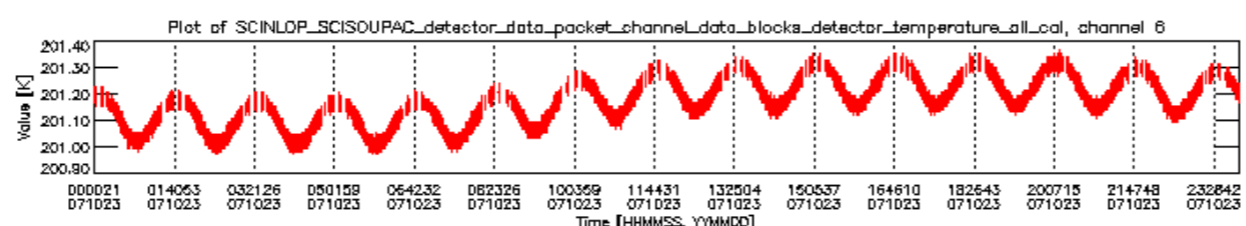
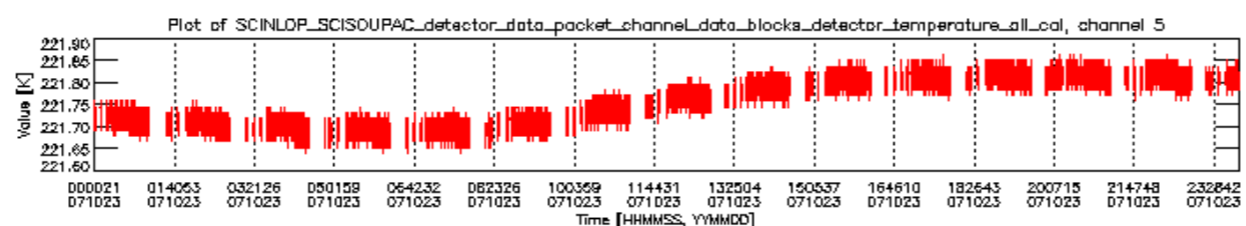
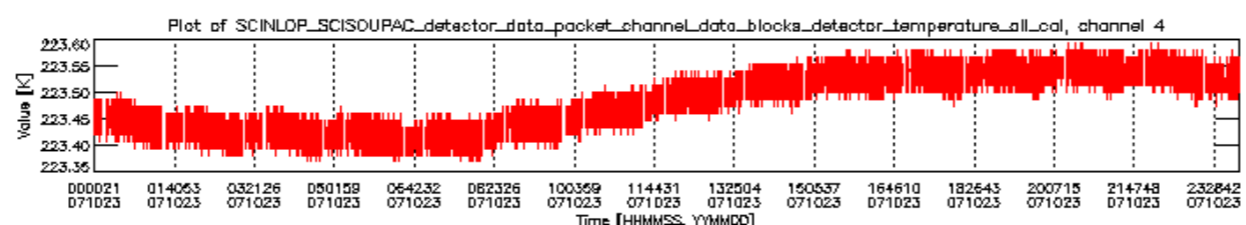
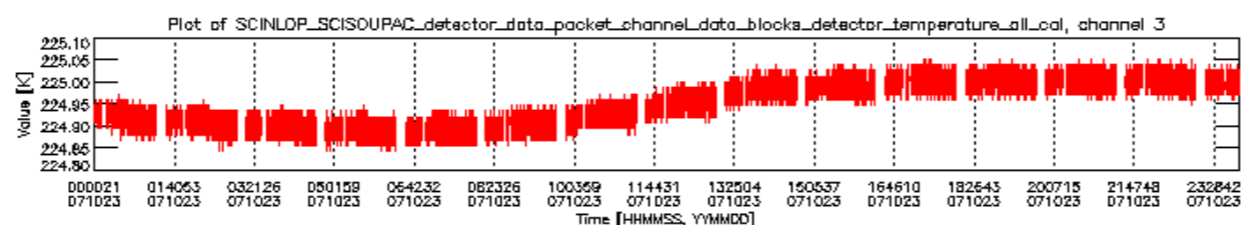
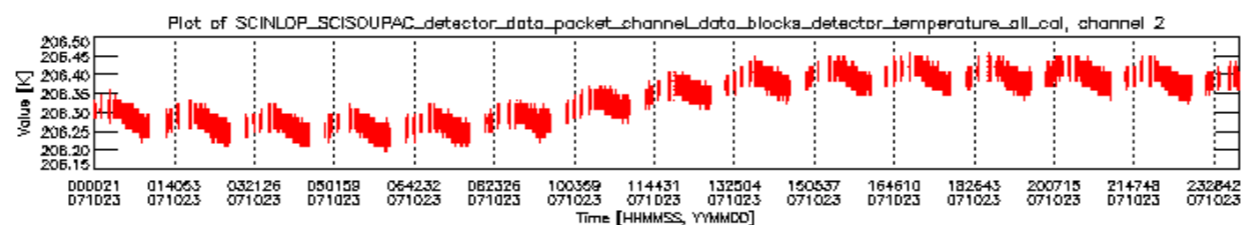
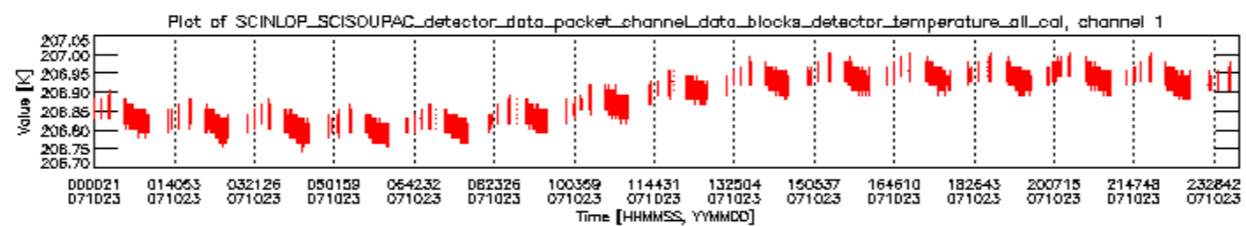
sciamachy_daily_report_level0_KSPT_L0_4302_N_20071023_8.PNG











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