

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	28JAN2009 03:44:04
Data source version	KSPT_L0/4303-N
Processing scope for products	24JAN2009 00:00:00 to 25JAN2009 00:00:00
Start time of first product within scope	23JAN2009 23:26:29
Stop time of last product within scope	25JAN2009 00:28:09
Total number of level 0 products	13
Number of level 0 products with errors	0

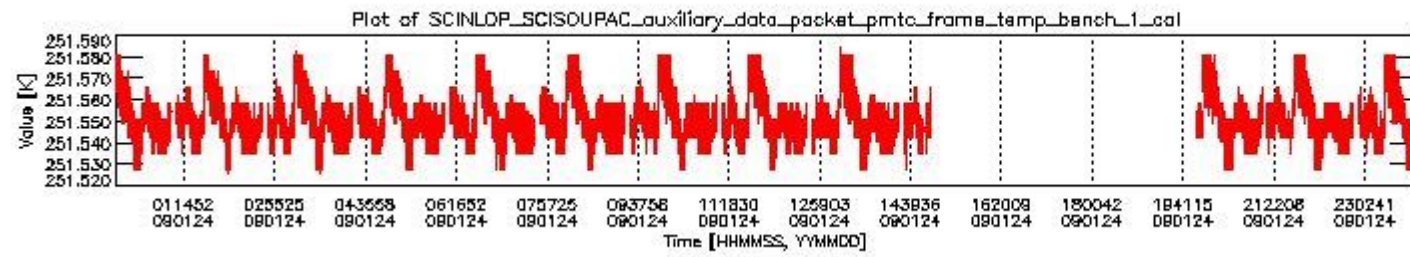
0.1.2 Summary per product

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

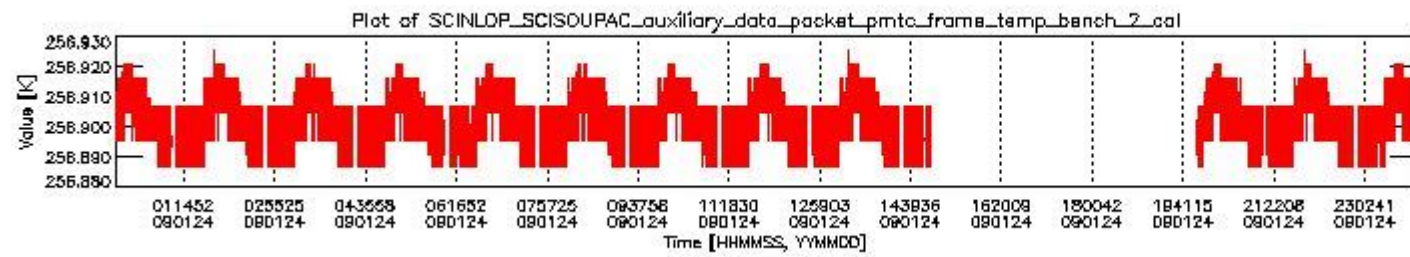
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090123_232629_000056022075_00459_36084_8353.N1	23JAN2009 23:26:29	24JAN2009 00:59:52	0	0	0	0	0
1	SCI_NL__OPNPDE20090124_010705_000045992075_00460_36085_8354.N1	24JAN2009 01:07:05	24JAN2009 02:23:44	0	0	0	0	0
2	SCI_NL__OPNPDE20090124_022235_000056062075_00461_36086_8355.N1	24JAN2009 02:22:35	24JAN2009 03:56:02	0	0	0	0	0
3	SCI_NL__OPNPDE20090124_035602_000060922075_00462_36087_8356.N1	24JAN2009 03:56:02	24JAN2009 05:37:33	0	0	0	0	0
4	SCI_NL__OPNPDE20090124_053637_000060362075_00463_36088_8357.N1	24JAN2009 05:36:37	24JAN2009 07:17:13	0	0	0	0	0
5	SCI_NL__OPNPDK20090124_071617_000041012075_00464_36089_0535.N1	24JAN2009 07:16:17	24JAN2009 08:24:38	0	0	0	0	0
6	SCI_NL__OPNPDK20090124_082329_000061042075_00465_36090_0536.N1	24JAN2009 08:23:29	24JAN2009 10:05:13	0	0	0	0	0
7	SCI_NL__OPNPDK20090124_100417_000060232075_00466_36091_0537.N1	24JAN2009 10:04:17	24JAN2009 11:44:40	0	0	0	0	0
8	SCI_NL__OPNPDK20090124_114248_000060362075_00467_36092_0538.N1	24JAN2009 11:42:48	24JAN2009 13:23:24	0	0	0	0	0
9	SCI_NL__OPNPDK20090124_132228_000058422075_00468_36093_0539.N1	24JAN2009 13:22:28	24JAN2009 14:59:50	0	0	0	0	0
10	SCI_NL__OPNPDE20090124_195421_000042492075_00472_36097_8358.N1	24JAN2009 19:54:21	24JAN2009 21:05:10	0	0	0	0	0
11	SCI_NL__OPNPDE20090124_210401_000062002075_00472_36097_8359.N1	24JAN2009 21:04:01	24JAN2009 22:47:21	0	0	0	0	0
12	SCI_NL__OPNPDE20090124_225448_000056012075_00473_36098_8360.N1	24JAN2009 22:54:48	25JAN2009 00:28:09	0	0	0	0	0

0.2 Product Quality Indicators

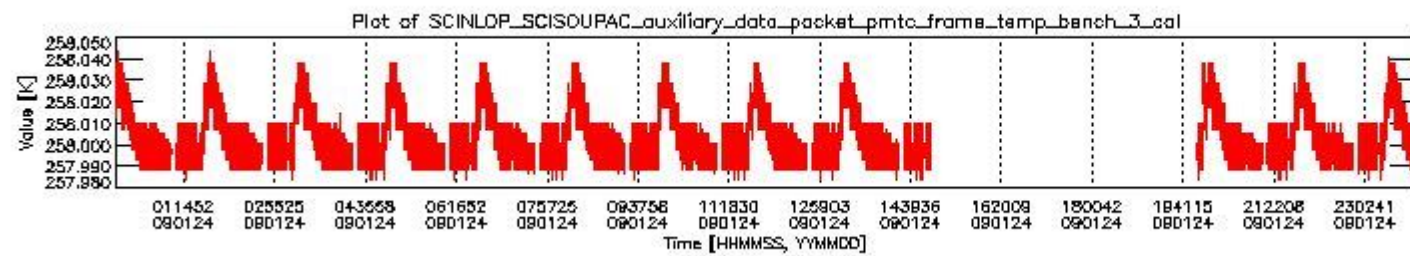
This section shows information about product quality, currently temperatures.



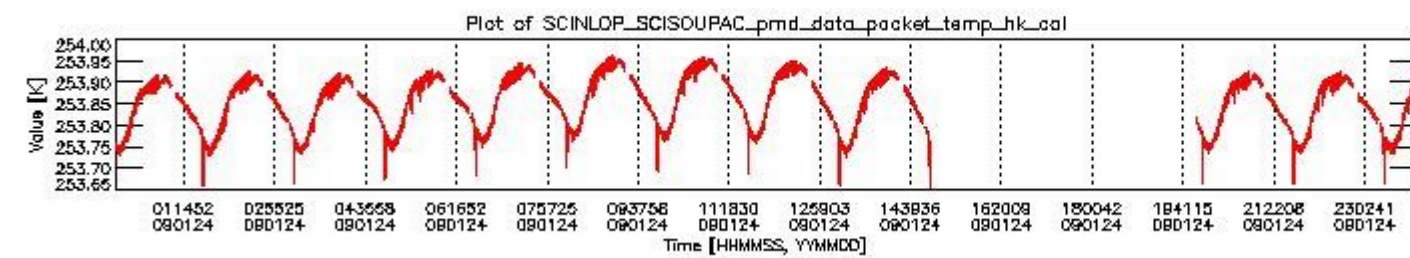
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090124_0.PNG



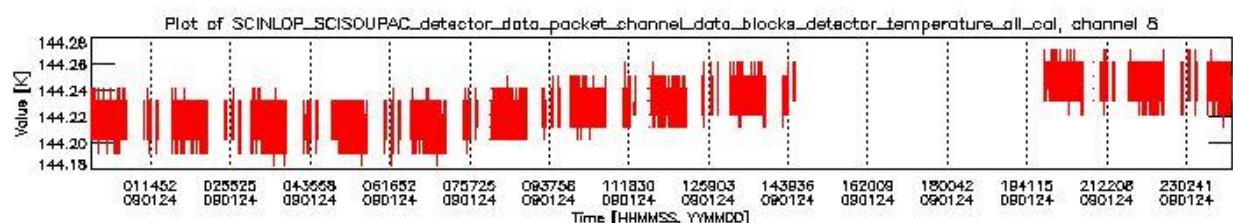
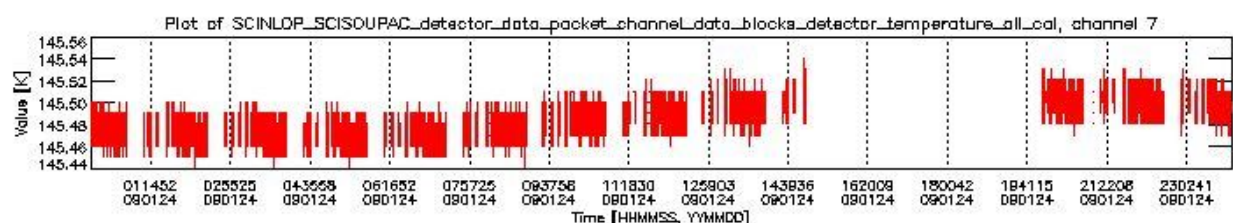
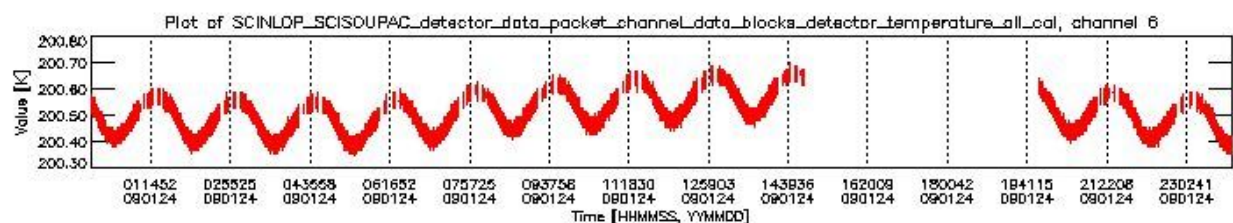
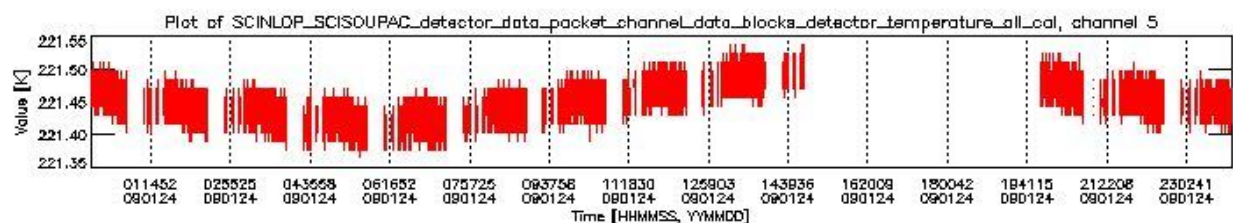
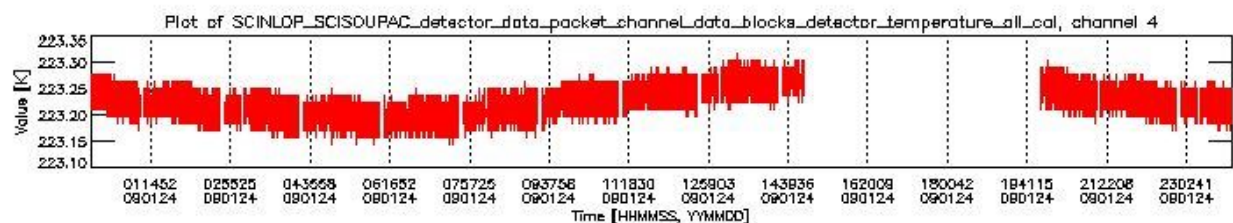
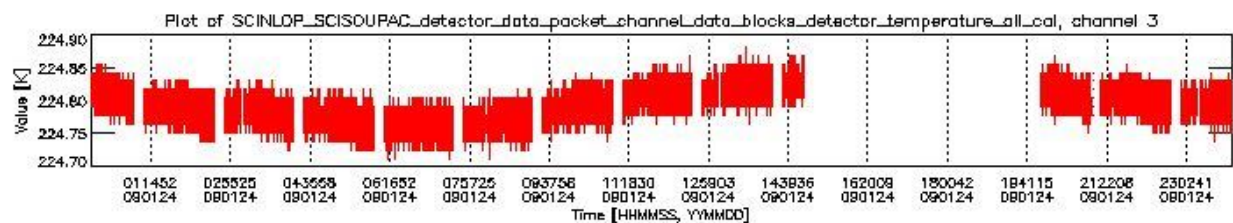
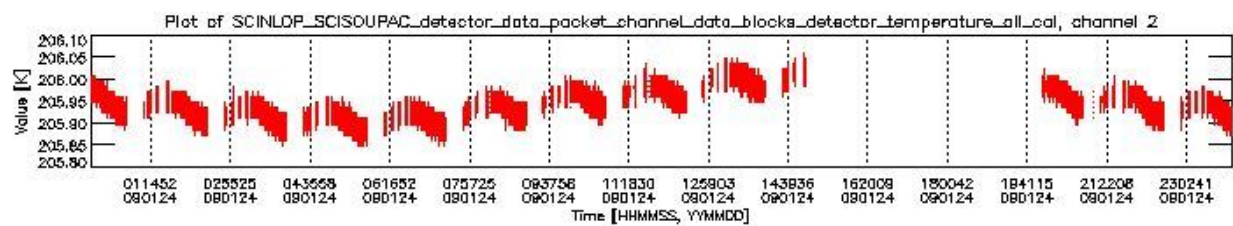
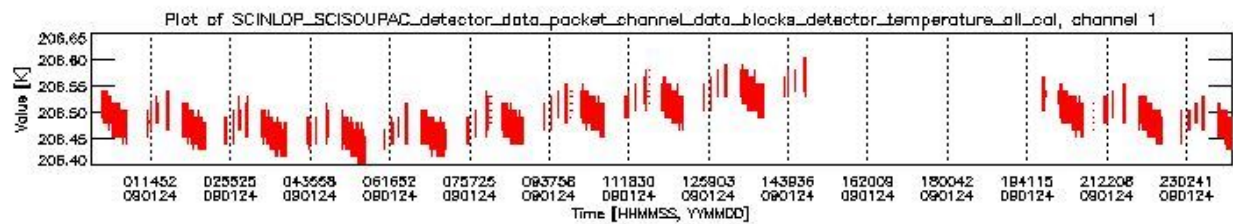
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090124_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090124_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090124_3.PNG

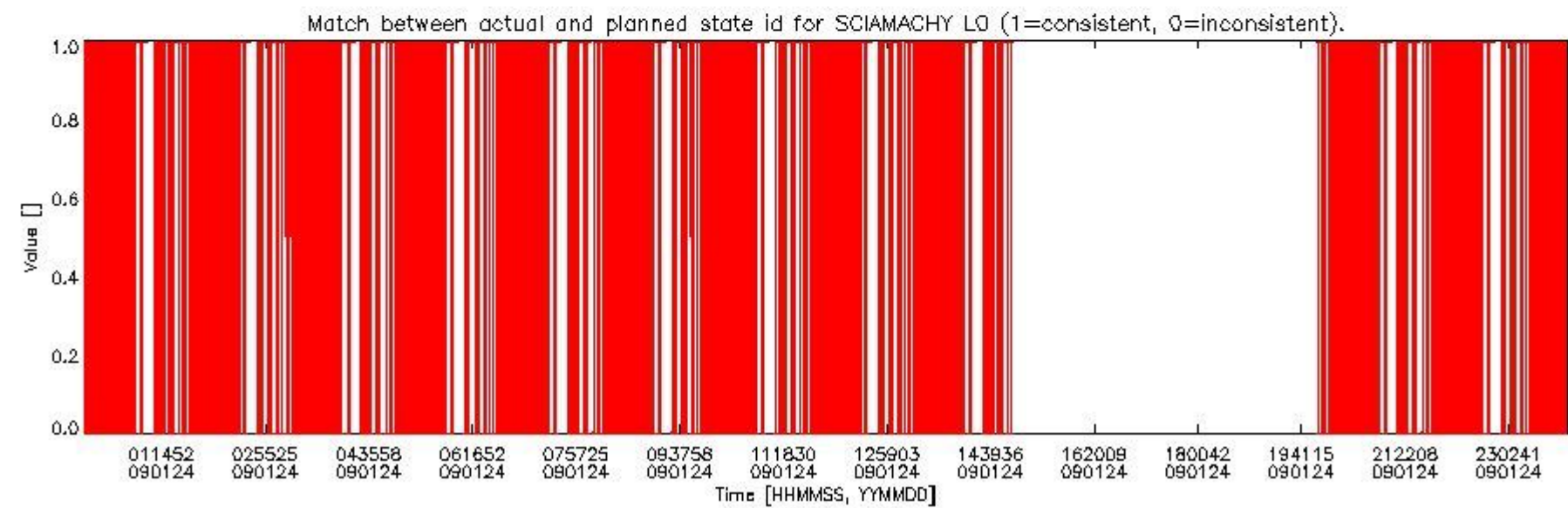
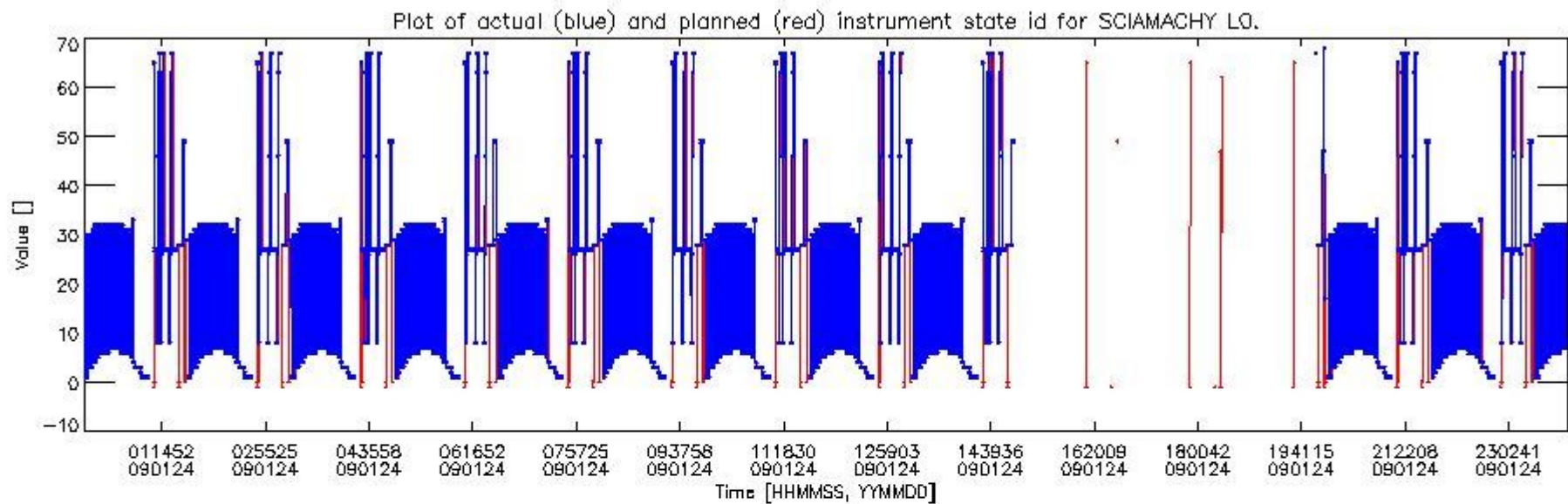


0.3 State monitoring

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: **47610**

#	Actual time	Actual value	Planned time	Planned value
0	24JAN2009 00:00:44.593120	30	24JAN2009 00:00:44.593120	1
1	24JAN2009 00:00:45.218101	30	24JAN2009 00:00:45.218101	1
2	24JAN2009 00:00:45.593114	30	24JAN2009 00:00:45.593114	1
3	24JAN2009 00:00:45.968127	30	24JAN2009 00:00:45.968127	1
4	24JAN2009 00:00:46.530627	30	24JAN2009 00:00:46.530627	1
5	24JAN2009 00:00:46.905600	30	24JAN2009 00:00:46.905600	1
6	24JAN2009 00:00:47.280613	30	24JAN2009 00:00:47.280613	1
7	24JAN2009 00:00:47.655626	30	24JAN2009 00:00:47.655626	1
8	24JAN2009 00:00:48.218125	30	24JAN2009 00:00:48.218125	1
9	24JAN2009 00:00:48.593098	30	24JAN2009 00:00:48.593098	1
10	24JAN2009 00:00:48.968111	30	24JAN2009 00:00:48.968111	1
11	24JAN2009 00:00:49.343124	30	24JAN2009 00:00:49.343124	1
12	24JAN2009 00:00:49.593133	30	24JAN2009 00:00:49.593133	1
13	24JAN2009 00:00:49.905623	30	24JAN2009 00:00:49.905623	1
14	24JAN2009 00:00:50.280596	30	24JAN2009 00:00:50.280596	1
15	24JAN2009 00:00:50.655609	30	24JAN2009 00:00:50.655609	1
16	24JAN2009 00:00:51.030622	30	24JAN2009 00:00:51.030622	1
17	24JAN2009 00:00:51.593122	30	24JAN2009 00:00:51.593122	1
18	24JAN2009 00:00:51.968095	30	24JAN2009 00:00:51.968095	1
19	24JAN2009 00:00:52.343108	30	24JAN2009 00:00:52.343108	1

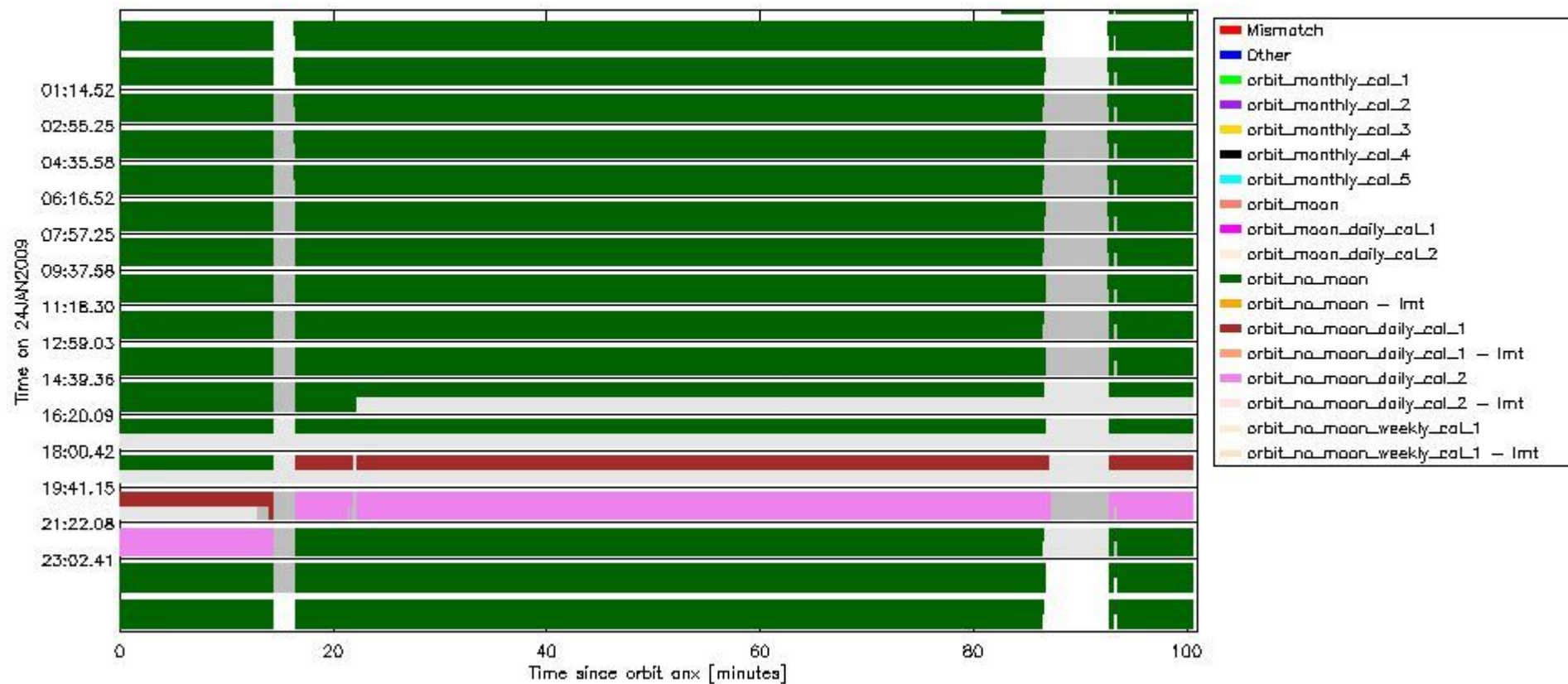


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090124_5.PNG

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 24JAN2009.
 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_4303_N_20090124_6.PNG

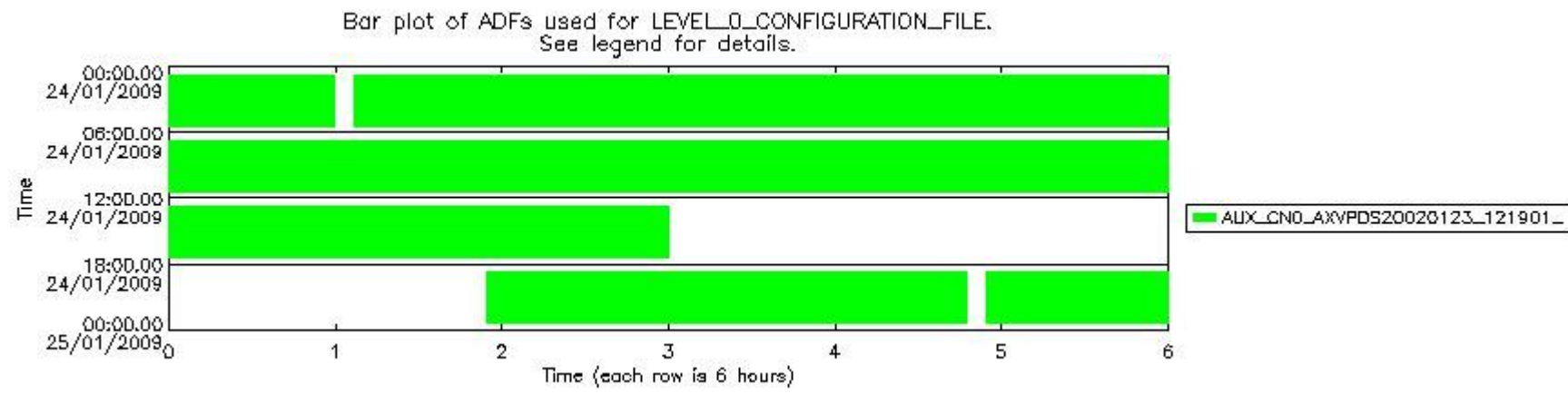
0.4 ADF monitoring

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

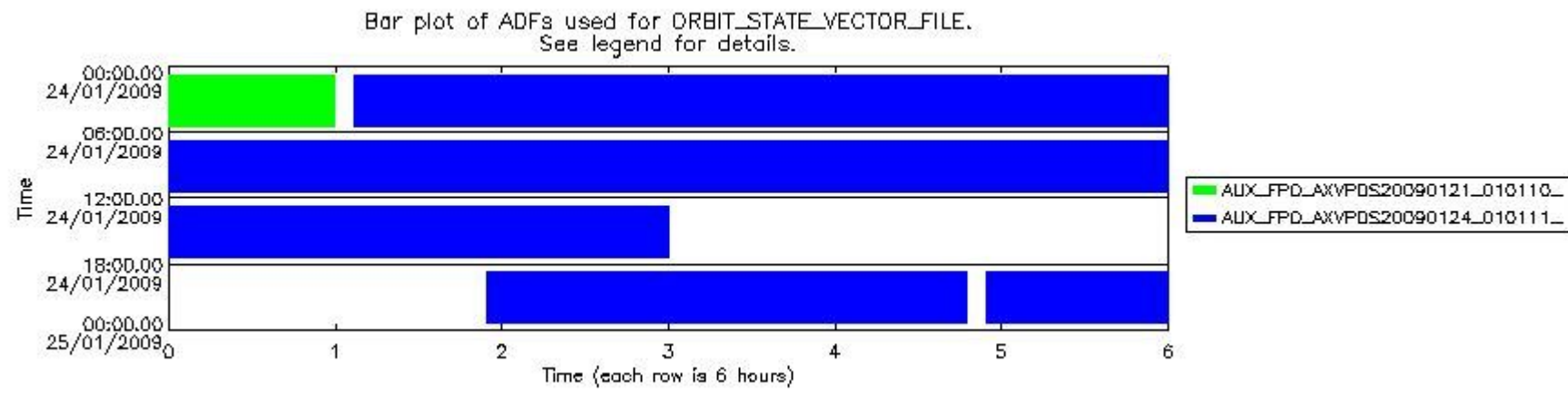
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

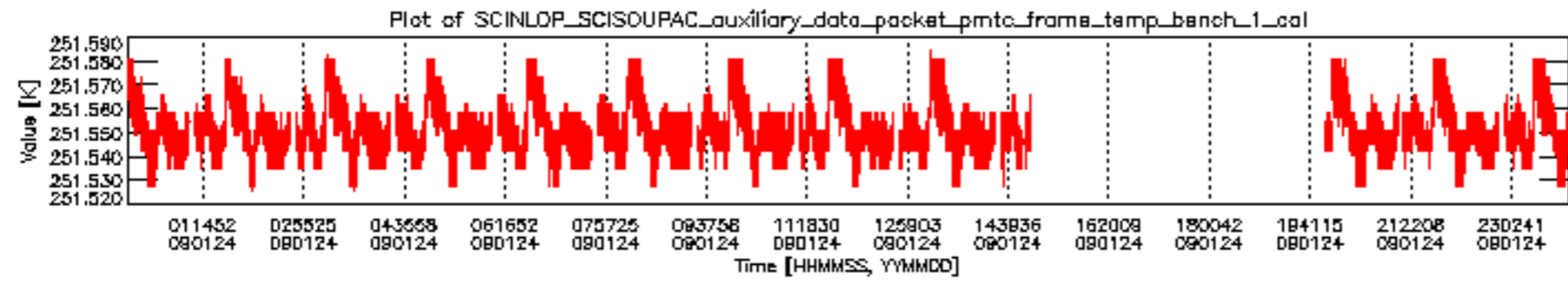
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090121_010110_20090120_182645_20090130_213333
2	AUX_FPO_AXVPDS20090124_010111_20090123_183229_20090202_213917

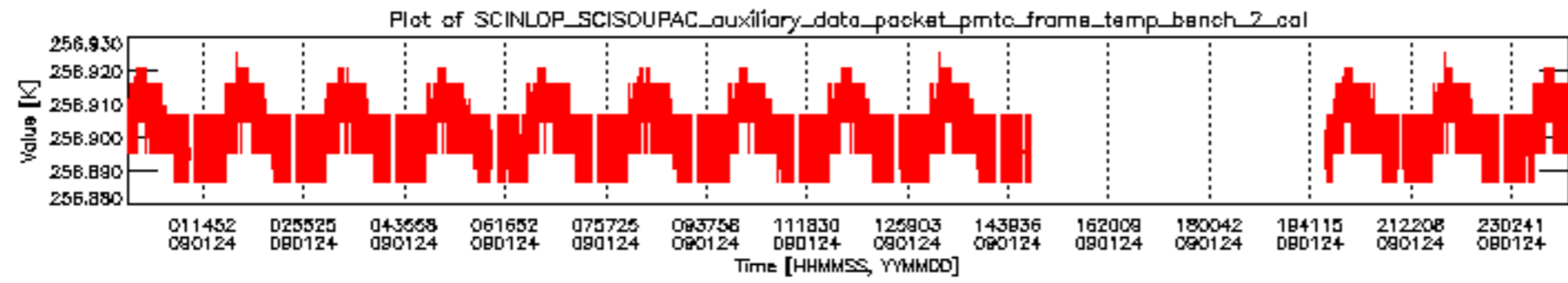


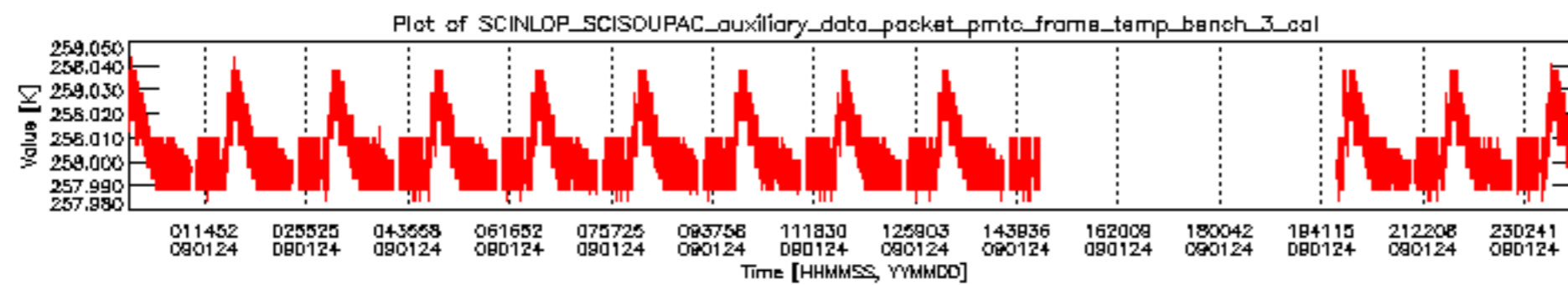
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090124_7.PNG

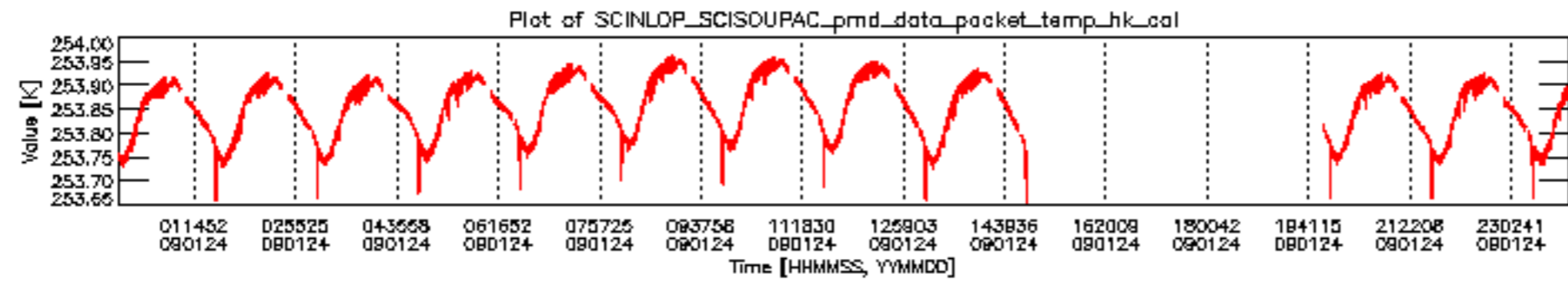


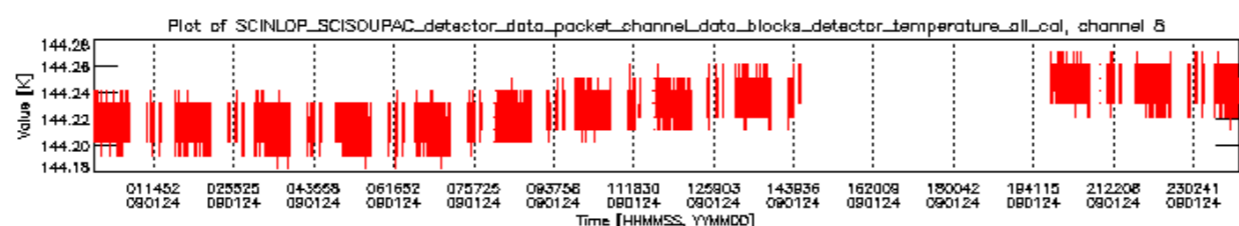
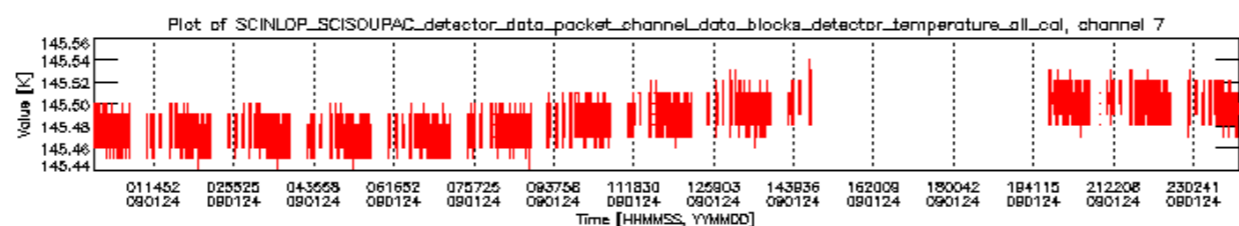
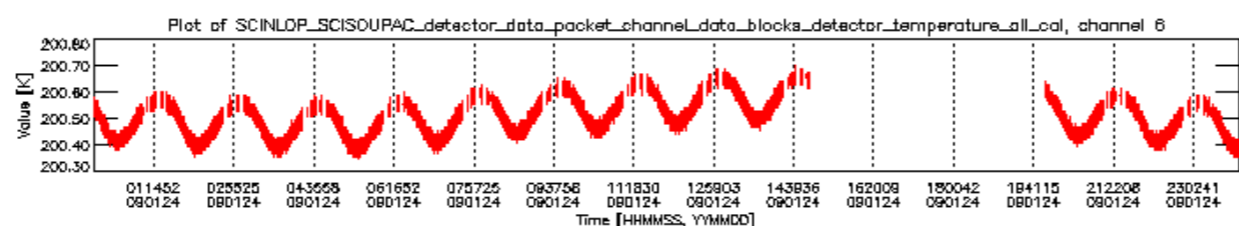
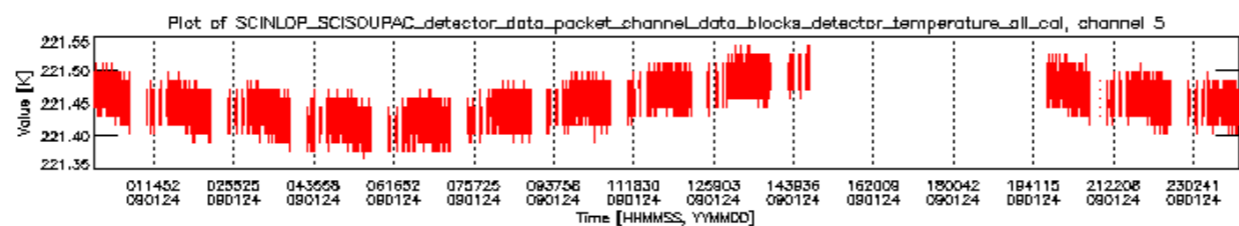
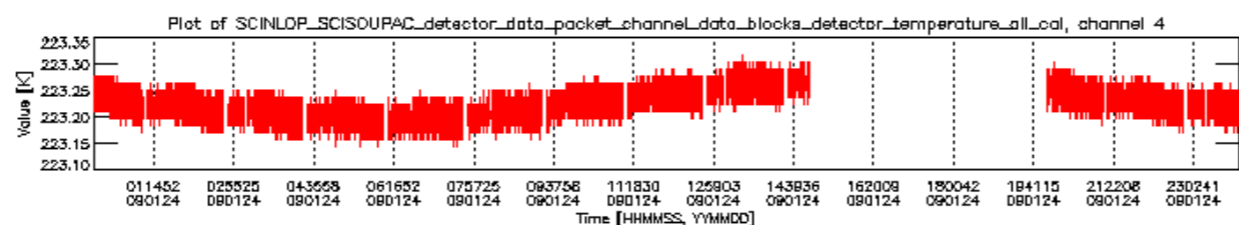
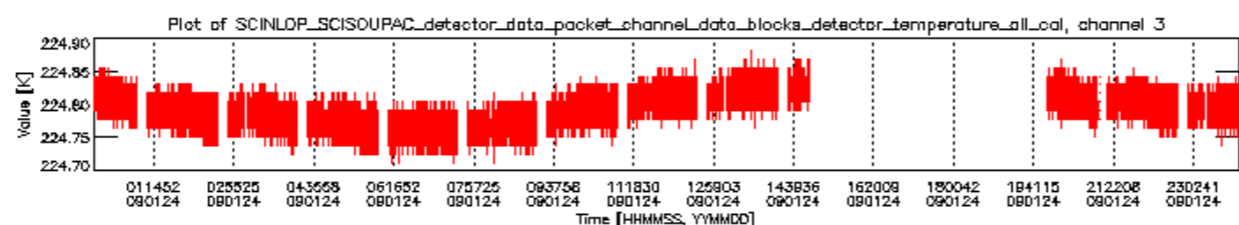
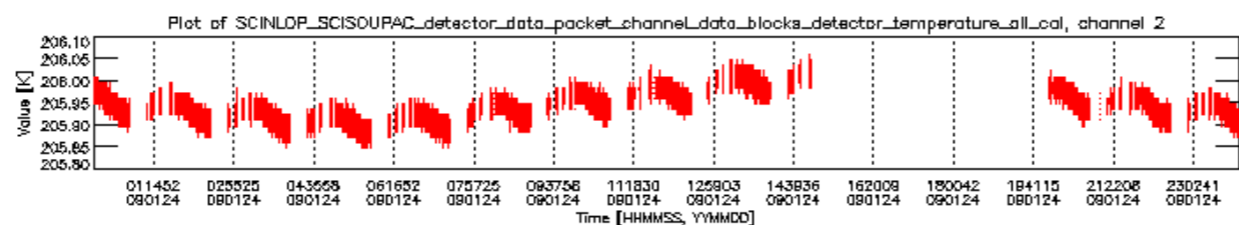
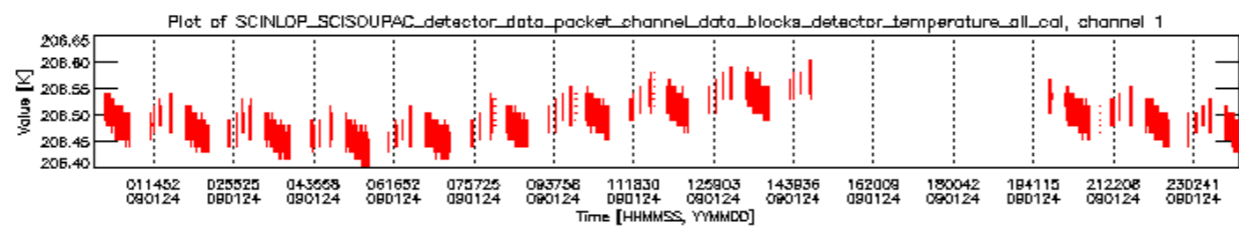
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090124_8.PNG

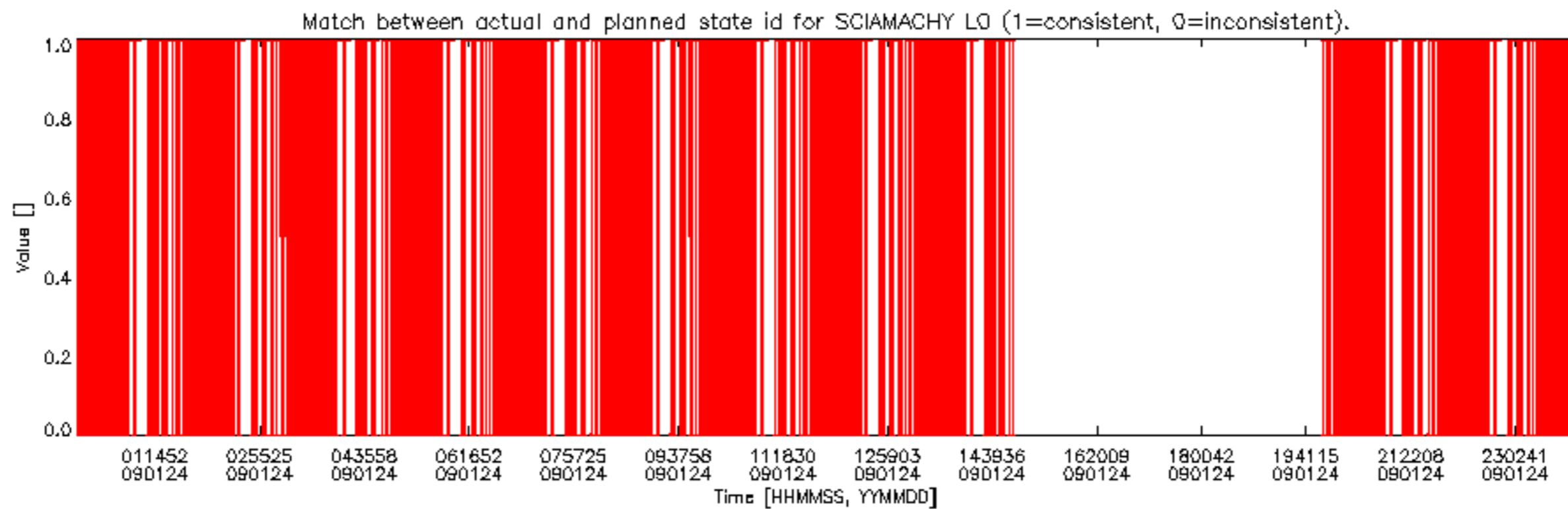
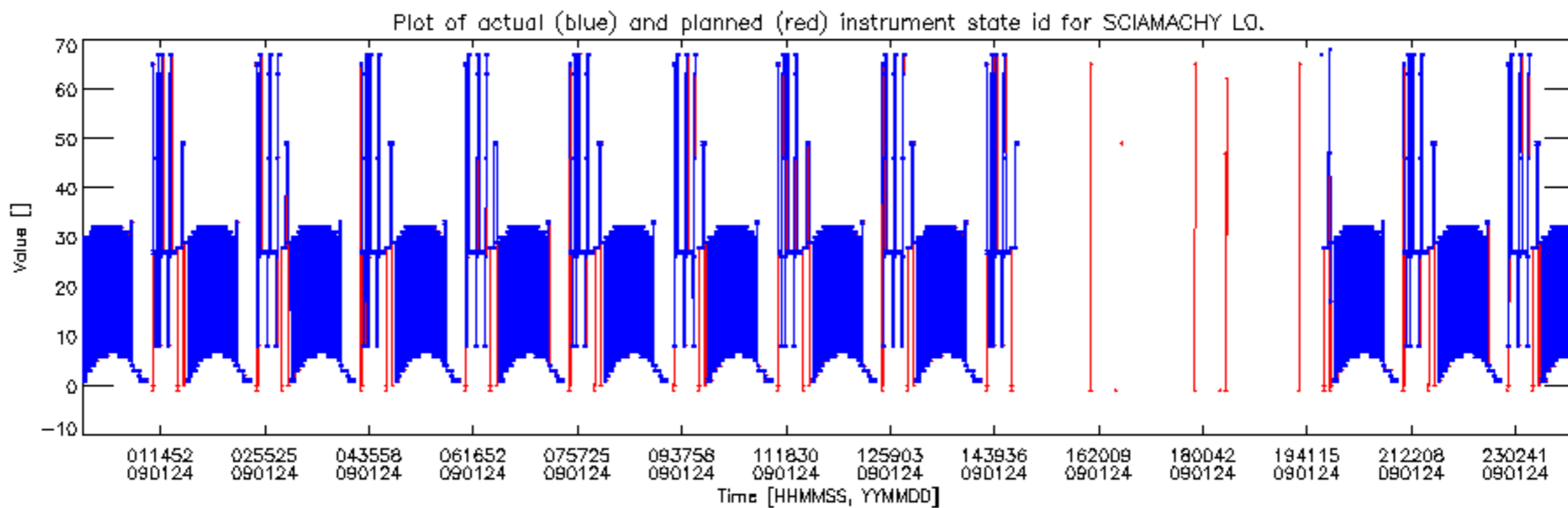












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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