

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	20APR2009 12:08:17
Data source version	KSPT_L0/4303-N
Processing scope for products	16APR2009 00:00:00 to 17APR2009 00:00:00
Start time of first product within scope	15APR2009 23:45:00
Stop time of last product within scope	17APR2009 00:53:12
Total number of level 0 products	16
Number of level 0 products with errors	1

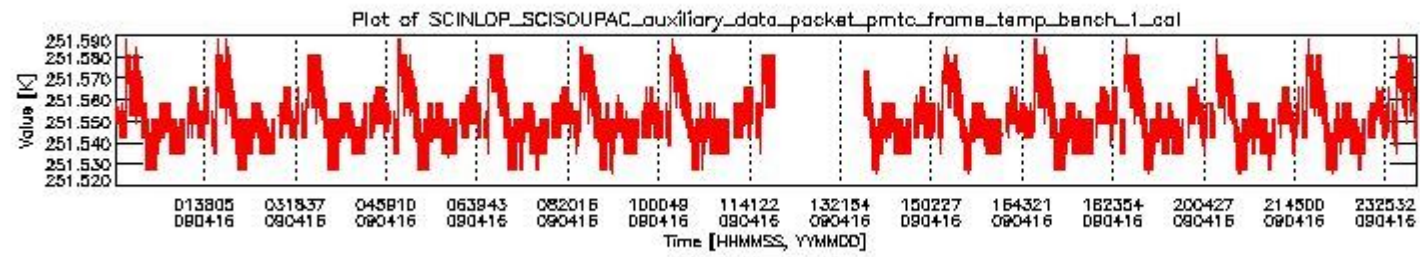
0.1.2 Summary per product

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

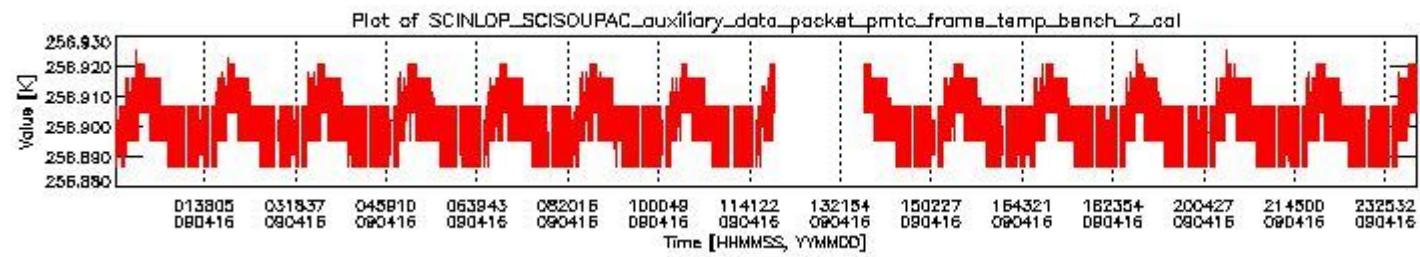
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090415_234500_000059962078_00130_37258_8957.N1	15APR2009 23:45:00	16APR2009 01:24:55	0	0	0	0	0
1	SCI_NL__OPNPDE20090416_012335_000047152078_00131_37259_8958.N1	16APR2009 01:23:35	16APR2009 02:42:10	0	0	0	0	0
2	SCI_NL__OPNPDE20090416_024101_000057312078_00132_37260_8959.N1	16APR2009 02:41:01	16APR2009 04:16:32	0	0	0	0	0
3	SCI_NL__OPNPDE20090416_041536_000062162078_00133_37261_8960.N1	16APR2009 04:15:36	16APR2009 05:59:12	0	0	0	0	0
4	SCI_NL__OPNPDK20090416_055912_000041692078_00134_37262_1281.N1	16APR2009 05:59:12	16APR2009 07:08:41	0	0	0	0	0
5	SCI_NL__OPNPDK20090416_070841_000060362078_00135_37263_1282.N1	16APR2009 07:08:41	16APR2009 08:49:17	0	0	0	0	0
6	SCI_NL__OPNPDK20090416_084917_000059802078_00136_37264_1283.N1	16APR2009 08:49:17	16APR2009 10:28:57	0	0	0	0	0
7	SCI_NL__OPNPDK20090416_102748_000060352078_00137_37265_1284.N1	16APR2009 10:27:48	16APR2009 12:08:23	0	0	0	0	0
8	SCI_NL__OPNPDK20090416_120715_000060482078_00138_37266_1285.N1	16APR2009 12:07:15	16APR2009 13:48:03	1	1	0	0	0
9	SCI_NL__OPNPDK20090416_134655_000058432078_00139_37267_1286.N1	16APR2009 13:46:55	16APR2009 15:24:17	0	0	0	0	0
10	SCI_NL__OPNPDK20090416_152321_000059112078_00140_37268_1287.N1	16APR2009 15:23:21	16APR2009 17:01:53	0	0	0	0	0
11	SCI_NL__OPNPDK20090416_170057_000059862078_00141_37269_1288.N1	16APR2009 17:00:57	16APR2009 18:40:43	0	0	0	0	0
12	SCI_NL__OPNPDK20090416_183947_000060912078_00142_37270_1289.N1	16APR2009 18:39:47	16APR2009 20:21:18	0	0	0	0	0
13	SCI_NL__OPNPDE20090416_202022_000042652078_00143_37271_8961.N1	16APR2009 20:20:22	16APR2009 21:31:28	0	0	0	0	0
14	SCI_NL__OPNPDE20090416_213040_000062002078_00143_37271_8962.N1	16APR2009 21:30:40	16APR2009 23:14:00	0	0	0	0	0
15	SCI_NL__OPNPDE20090416_231232_000060402078_00144_37272_8963.N1	16APR2009 23:12:32	17APR2009 00:53:12	0	0	0	0	0

0.2 Product Quality Indicators

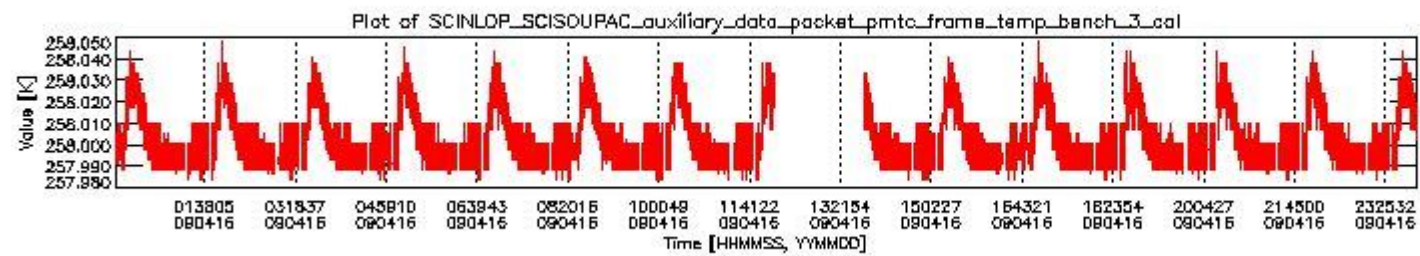
This section shows information about product quality, currently temperatures.



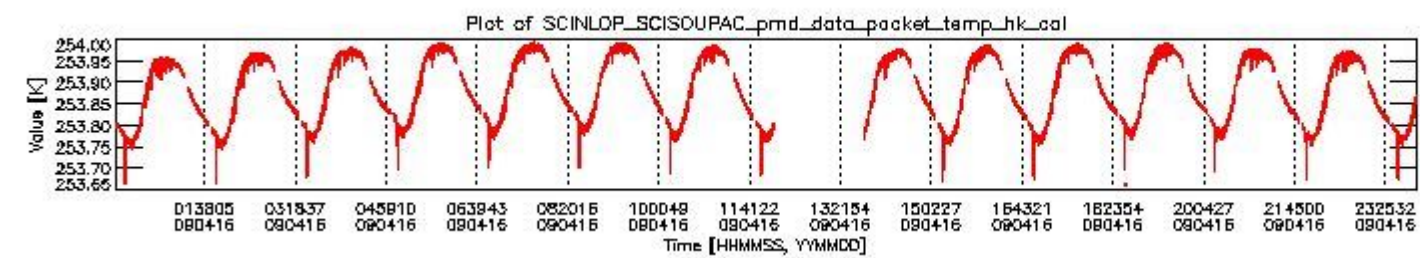
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090416_0.PNG



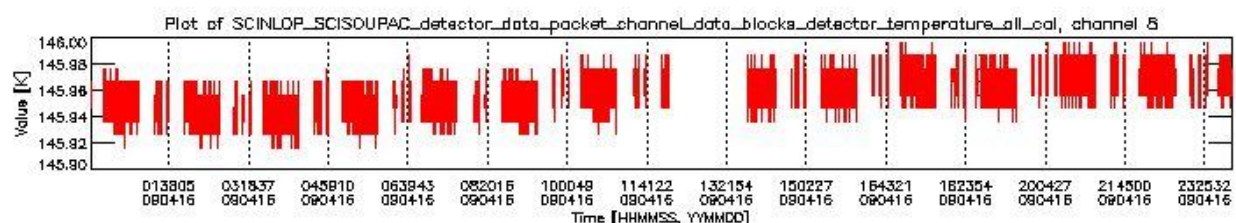
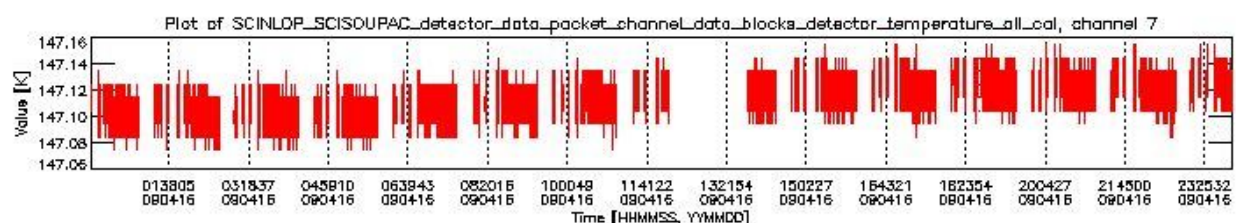
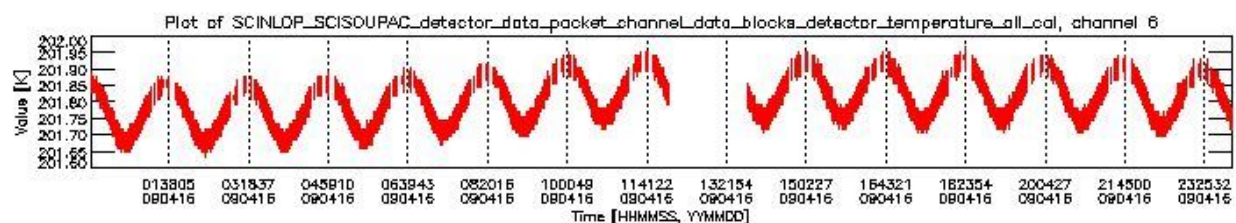
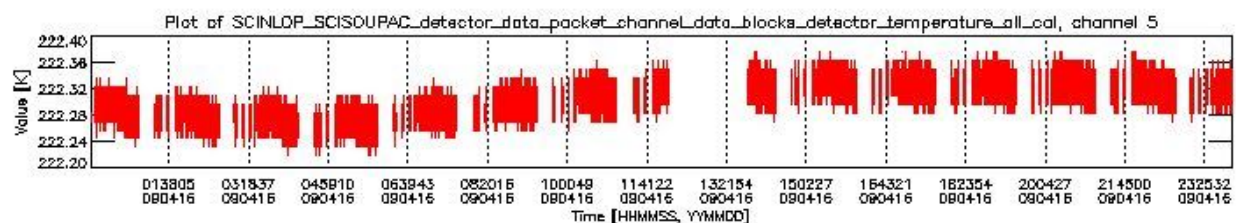
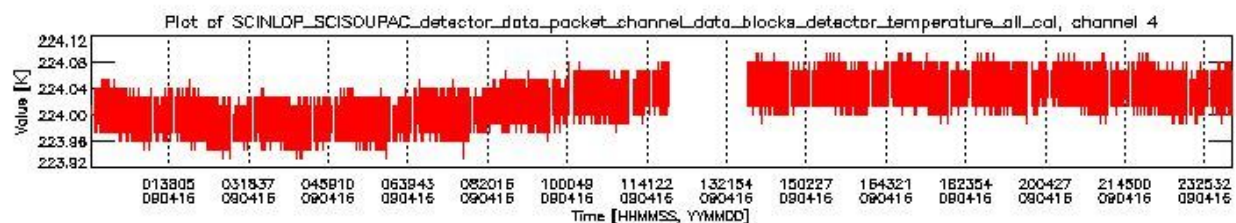
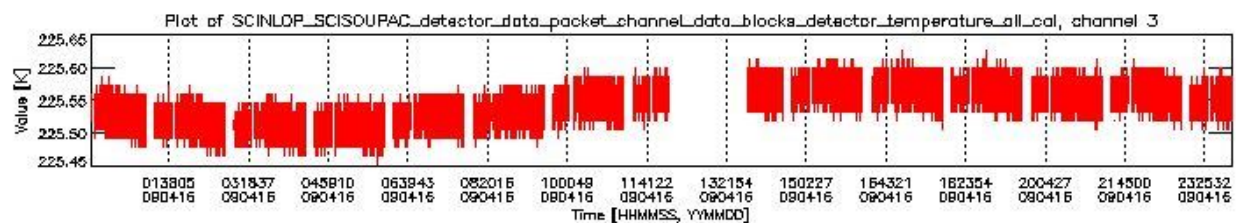
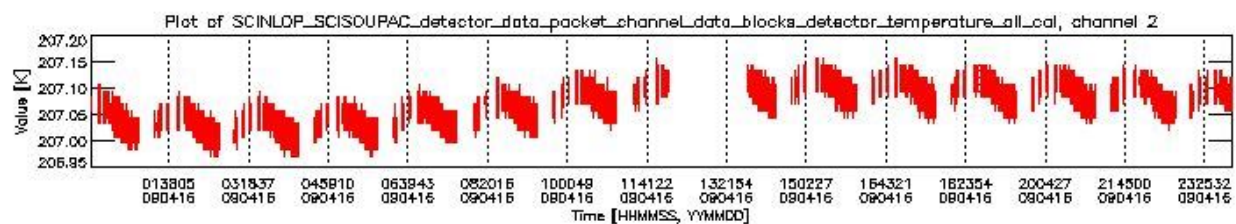
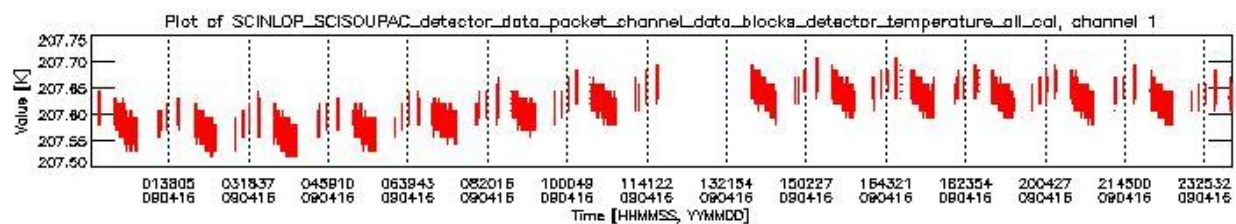
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090416_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090416_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090416_3.PNG

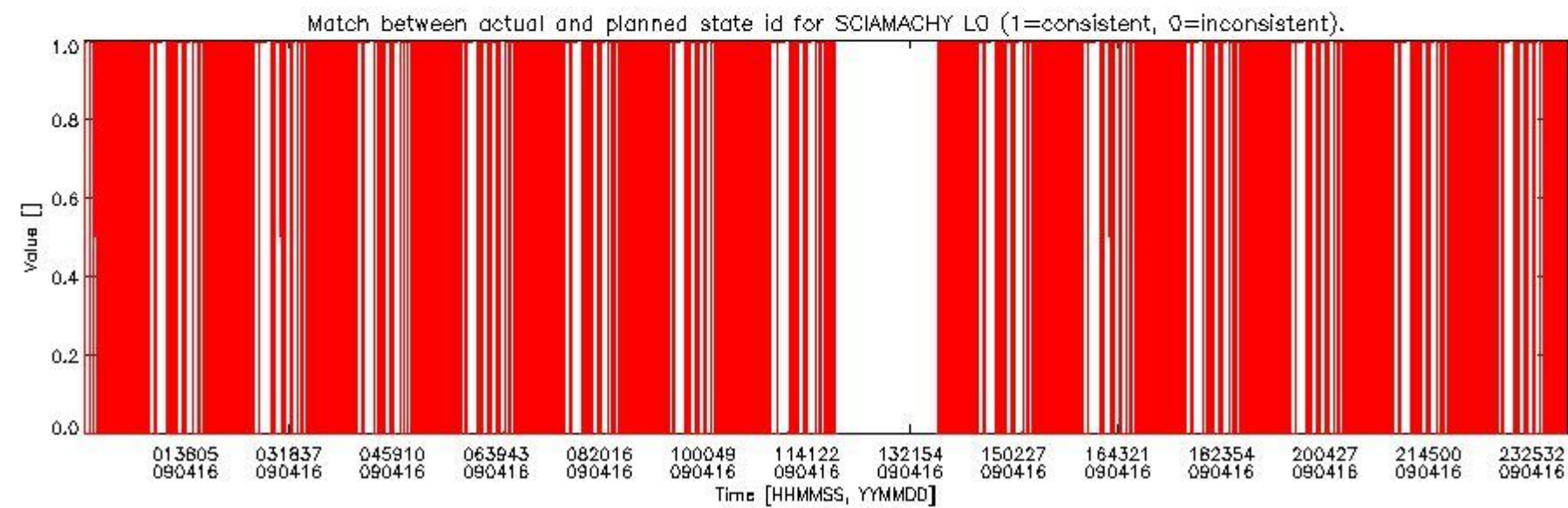
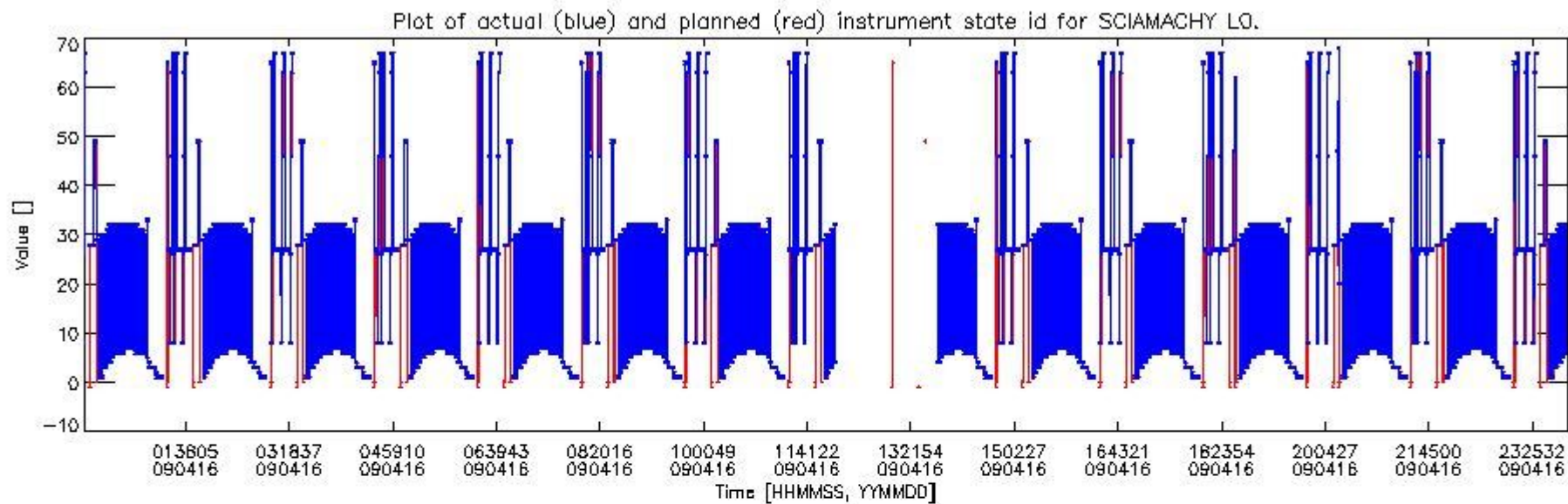


0.3 State monitoring

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: **55546**

#	Actual time	Actual value	Planned time	Planned value
0	16APR2009 00:00:04.907356	67	16APR2009 00:00:04.907356	63
1	16APR2009 00:00:05.157365	67	16APR2009 00:00:05.157365	63
2	16APR2009 00:00:05.282369	67	16APR2009 00:00:05.282369	63
3	16APR2009 00:00:05.407374	67	16APR2009 00:00:05.407374	63
4	16APR2009 00:00:05.532338	67	16APR2009 00:00:05.532338	63
5	16APR2009 00:00:05.657342	67	16APR2009 00:00:05.657342	63
6	16APR2009 00:00:05.782346	67	16APR2009 00:00:05.782346	63
7	16APR2009 00:00:05.907351	67	16APR2009 00:00:05.907351	63
8	16APR2009 00:00:06.032355	67	16APR2009 00:00:06.032355	63
9	16APR2009 00:00:06.157359	67	16APR2009 00:00:06.157359	63
10	16APR2009 00:00:06.282364	67	16APR2009 00:00:06.282364	63
11	16APR2009 00:00:06.407368	67	16APR2009 00:00:06.407368	63
12	16APR2009 00:00:06.532373	67	16APR2009 00:00:06.532373	63
13	16APR2009 00:00:06.657337	67	16APR2009 00:00:06.657337	63
14	16APR2009 00:00:06.782341	67	16APR2009 00:00:06.782341	63
15	16APR2009 00:00:06.907345	67	16APR2009 00:00:06.907345	63
16	16APR2009 00:00:07.032350	67	16APR2009 00:00:07.032350	63
17	16APR2009 00:00:07.157354	67	16APR2009 00:00:07.157354	63
18	16APR2009 00:00:07.282358	67	16APR2009 00:00:07.282358	63
19	16APR2009 00:00:07.407363	67	16APR2009 00:00:07.407363	63
...



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090416_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 16APR2009.
 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_20090416_6.PNG

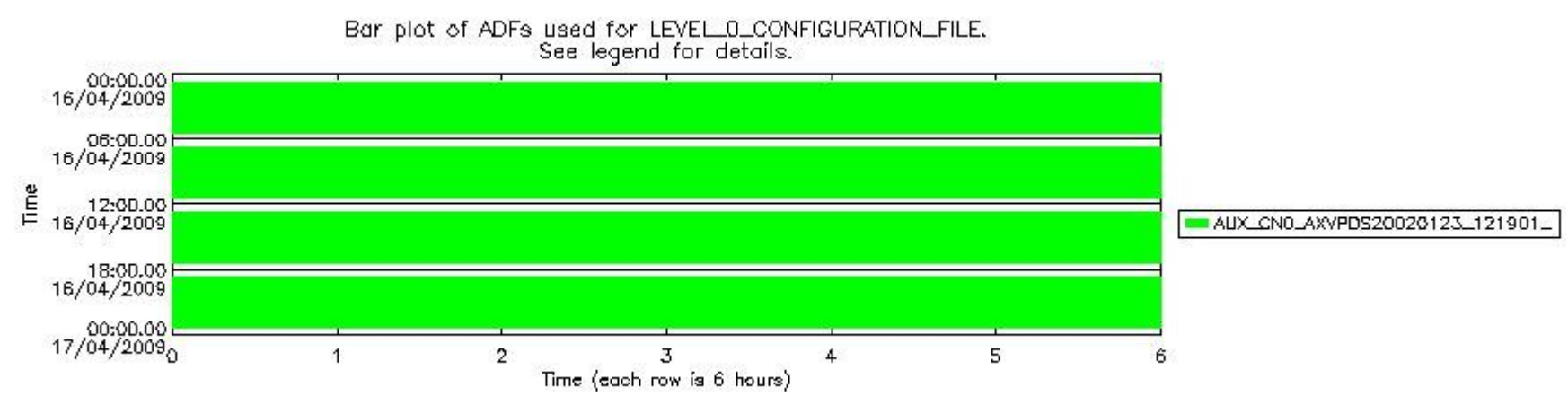
0.4 ADF monitoring

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

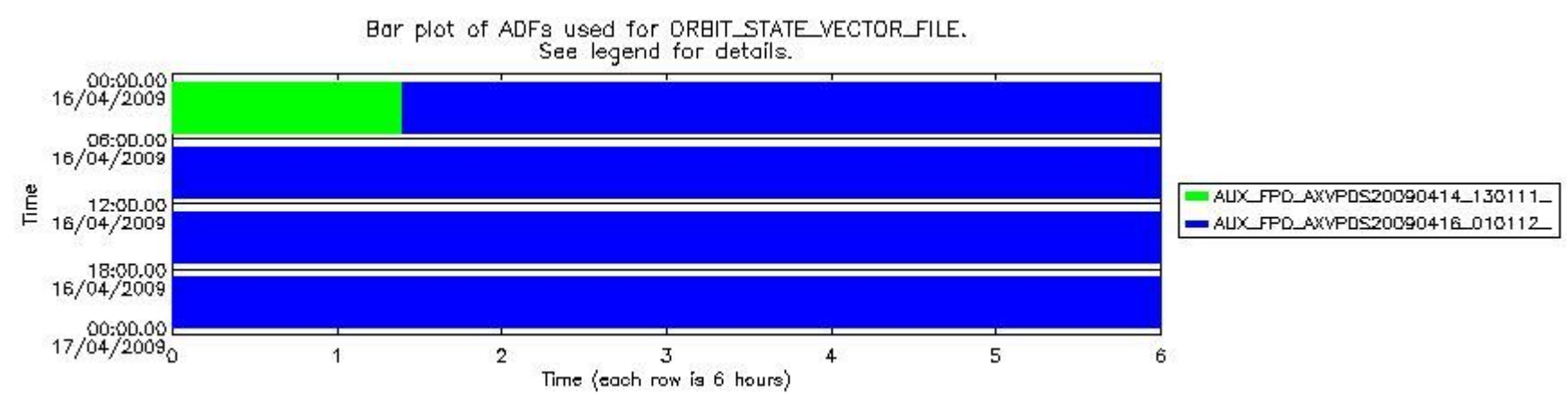
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

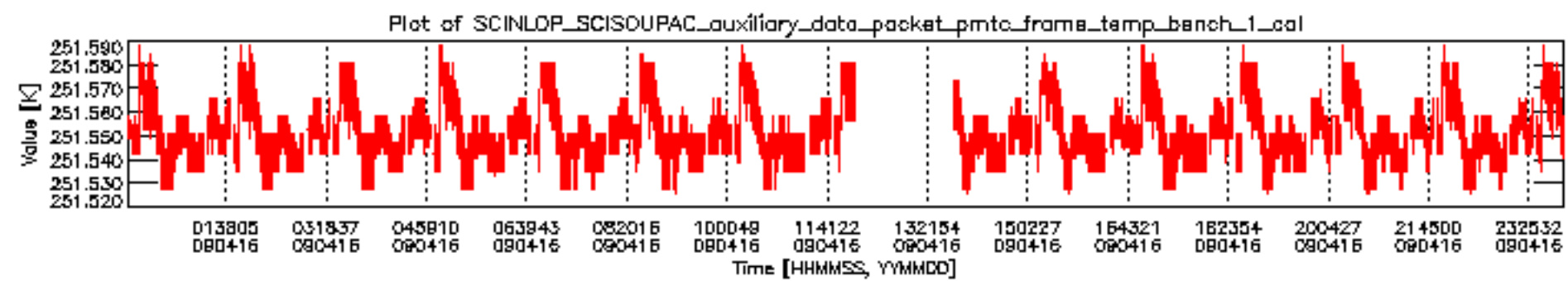
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090414_130111_20090413_195842_20090423_212456
2	AUX_FPO_AXVPDS20090416_010112_20090415_185528_20090425_202143

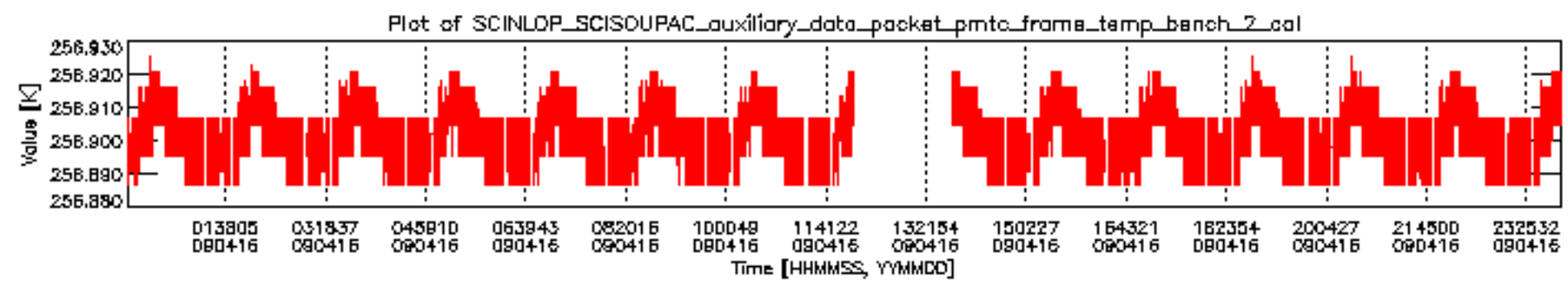


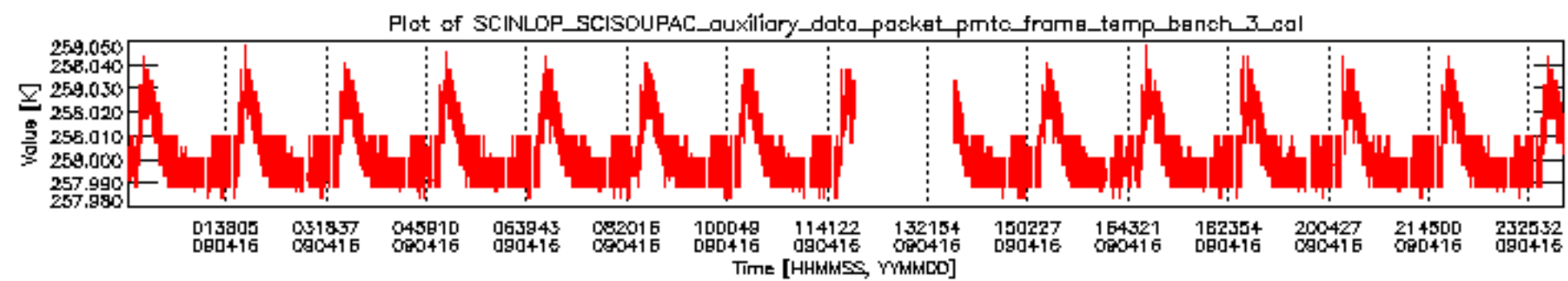
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090416_7.PNG

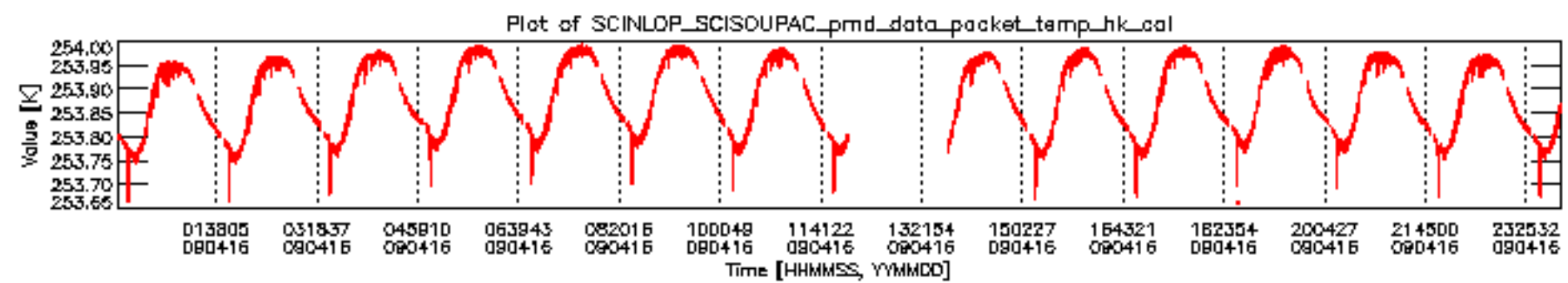


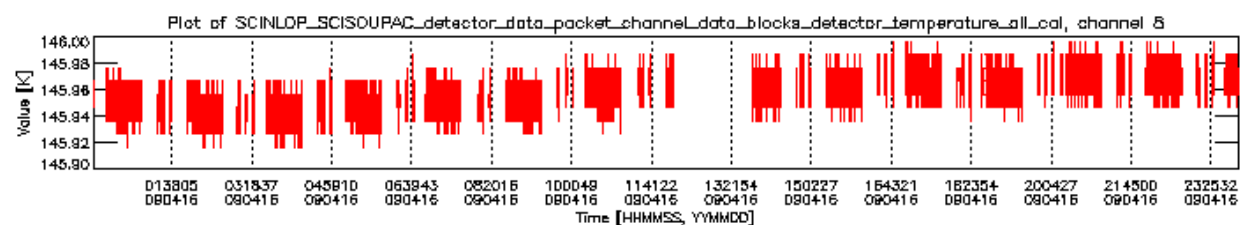
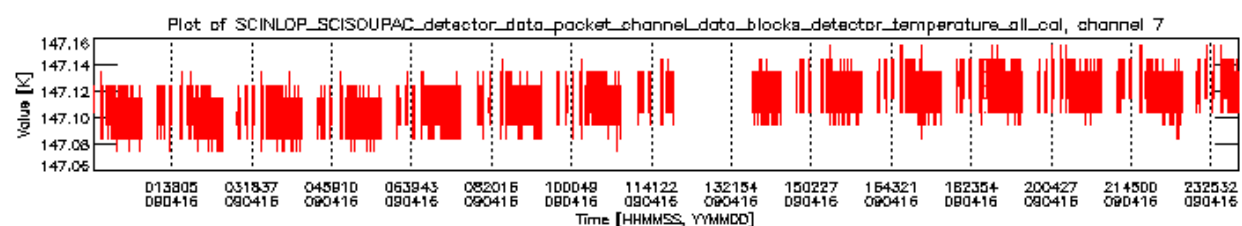
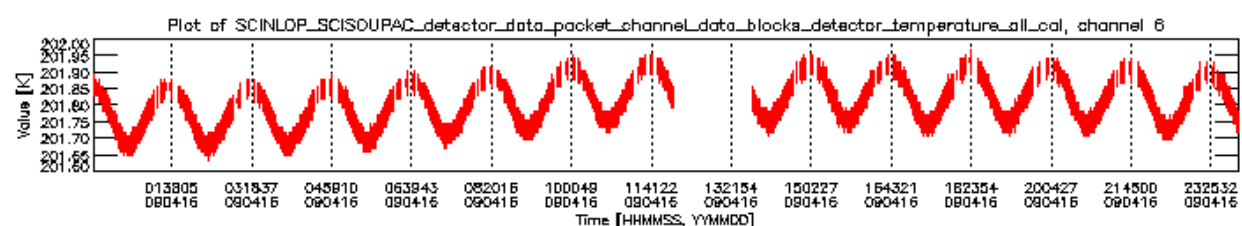
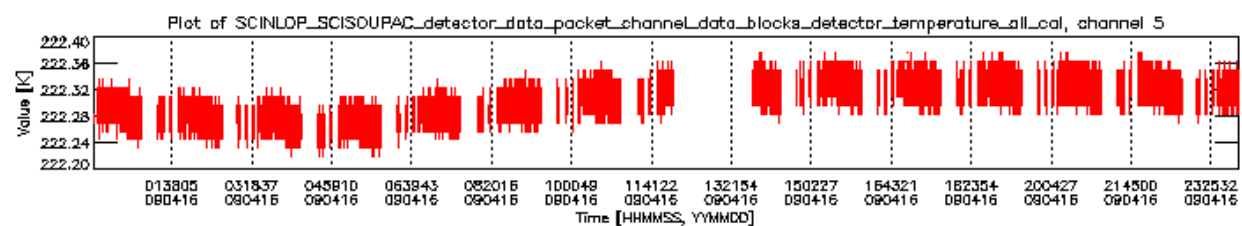
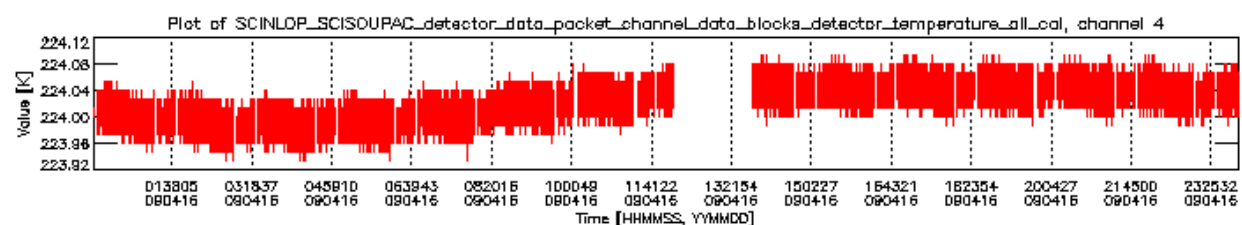
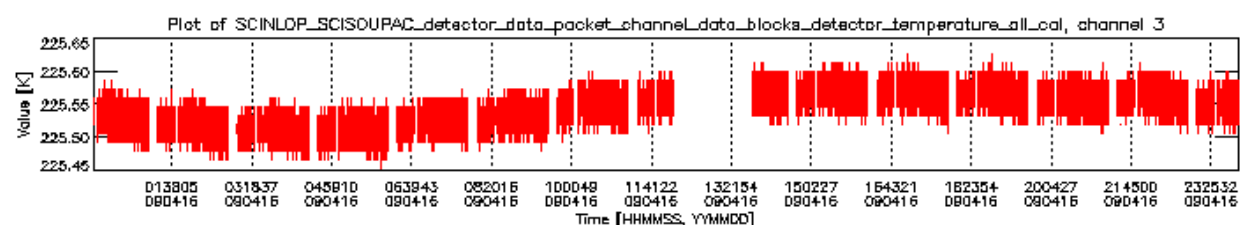
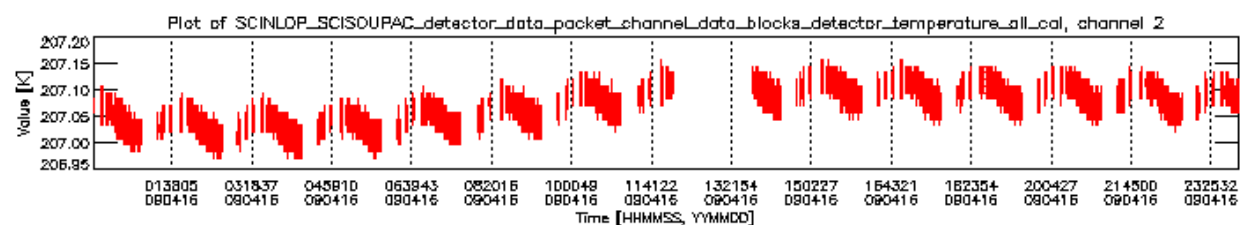
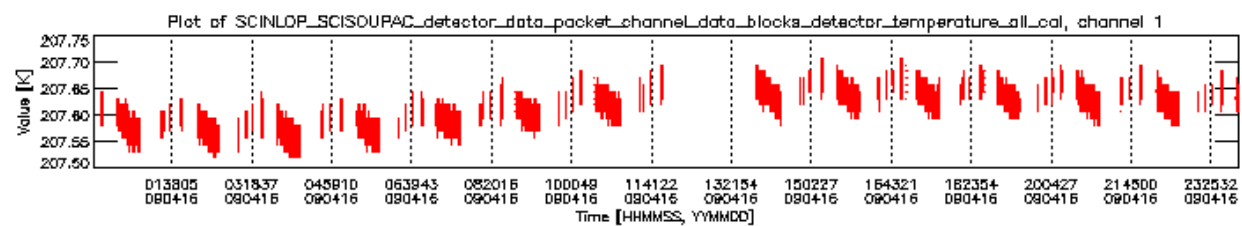
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090416_8.PNG

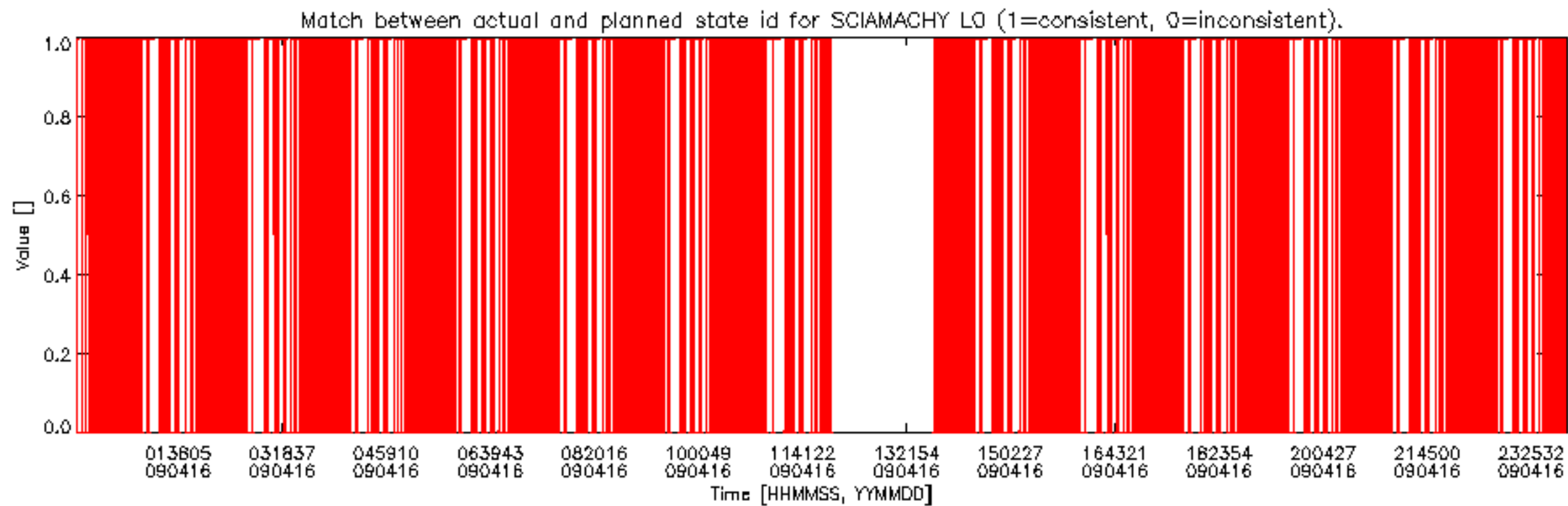
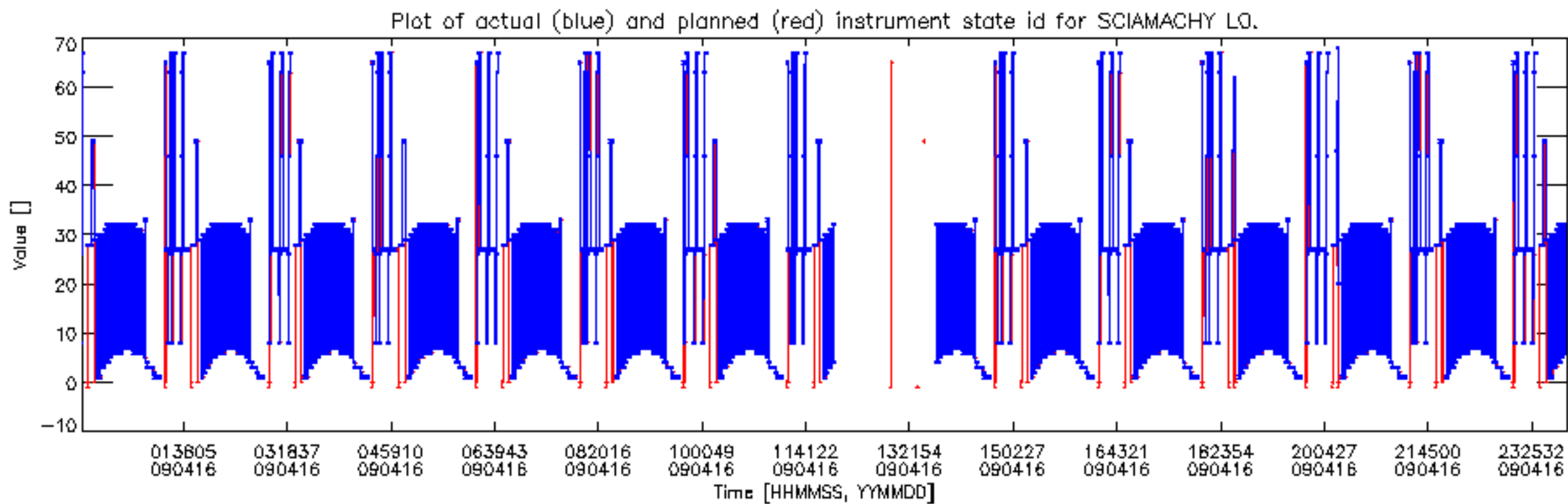












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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