

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	06MAY2009 08:07:25
Data source version	KSPT_L0/4303-N
Processing scope for products	02MAY2009 00:00:00 to 03MAY2009 00:00:00
Start time of first product within scope	01MAY2009 23:42:41
Stop time of last product within scope	03MAY2009 00:53:00
Total number of level 0 products	16
Number of level 0 products with errors	2

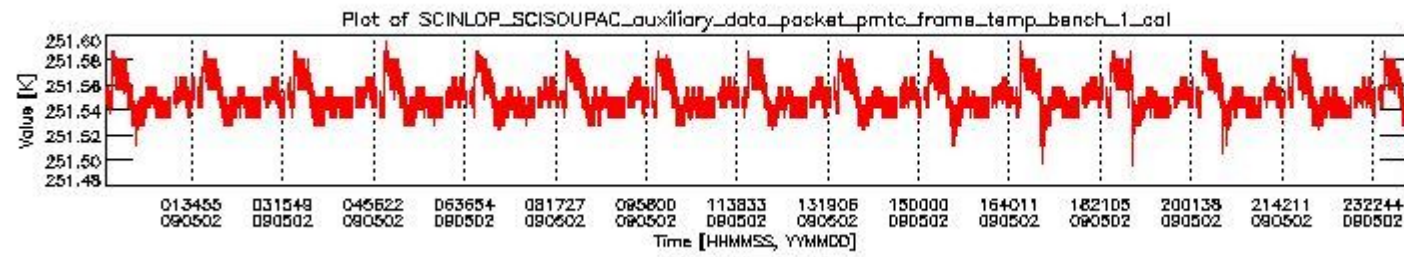
0.1.2 Summary per product

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

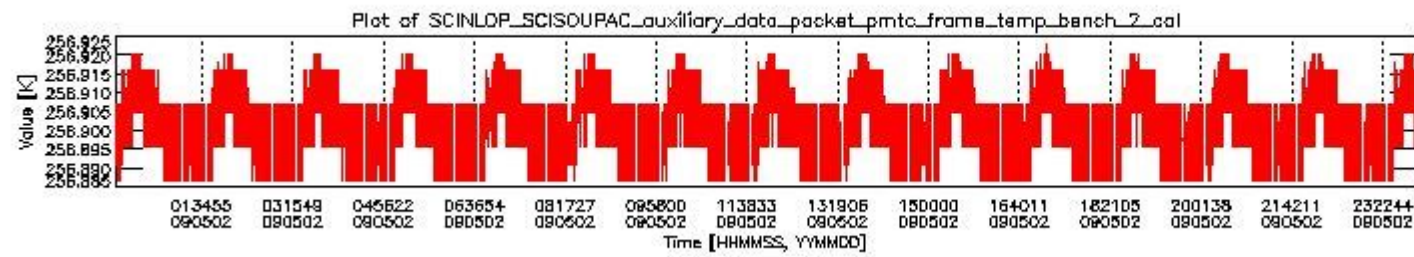
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090501_234241_000059892078_00359_37487_9059.N1	01MAY2009 23:42:41	02MAY2009 01:22:30	0	0	0	0	0
1	SCI_NL__OPNPDE20090502_012146_000047112078_00360_37488_9060.N1	02MAY2009 01:21:46	02MAY2009 02:40:17	0	0	0	0	0
2	SCI_NL__OPNPDE20090502_023908_000058432078_00361_37489_9061.N1	02MAY2009 02:39:08	02MAY2009 04:16:31	0	0	0	0	0
3	SCI_NL__OPNPDE20090502_041522_000061042078_00362_37490_9062.N1	02MAY2009 04:15:22	02MAY2009 05:57:07	0	0	0	0	0
4	SCI_NL__OPNPDK20090502_055611_000041572078_00363_37491_1420.N1	02MAY2009 05:56:11	02MAY2009 07:05:27	0	0	0	0	0
5	SCI_NL__OPNPDK20090502_070431_000061602078_00364_37492_1421.N1	02MAY2009 07:04:31	02MAY2009 08:47:11	0	0	0	0	0
6	SCI_NL__OPNPDK20090502_084616_000060232078_00365_37493_1422.N1	02MAY2009 08:46:16	02MAY2009 10:26:38	1	1	0	0	0
7	SCI_NL__OPNPDK20090502_102638_000059802078_00366_37494_1423.N1	02MAY2009 10:26:38	02MAY2009 12:06:18	0	0	0	0	0
8	SCI_NL__OPNPDK20090502_120522_000059672078_00367_37495_1424.N1	02MAY2009 12:05:22	02MAY2009 13:44:49	1	0	1	0	0
9	SCI_NL__OPNPDK20090502_134341_000059802078_00368_37496_1425.N1	02MAY2009 13:43:41	02MAY2009 15:23:20	0	0	0	0	0
10	SCI_NL__OPNPDK20090502_152225_000057742078_00369_37497_1426.N1	02MAY2009 15:22:25	02MAY2009 16:58:39	0	0	0	0	0
11	SCI_NL__OPNPDK20090502_165634_000060652078_00370_37498_1427.N1	02MAY2009 16:56:34	02MAY2009 18:37:39	0	0	0	0	0
12	SCI_NL__OPNPDK20090502_183631_000060362078_00371_37499_1428.N1	02MAY2009 18:36:31	02MAY2009 20:17:06	0	0	0	0	0
13	SCI_NL__OPNPDE20090502_201611_000043622078_00372_37500_9063.N1	02MAY2009 20:16:11	02MAY2009 21:28:53	0	0	0	0	0
14	SCI_NL__OPNPDE20090502_212809_000062042078_00372_37500_9064.N1	02MAY2009 21:28:09	02MAY2009 23:11:32	0	0	0	0	0
15	SCI_NL__OPNPDE20090502_231059_000061212078_00373_37501_9065.N1	02MAY2009 23:10:59	03MAY2009 00:53:00	0	0	0	0	0

0.2 Product Quality Indicators

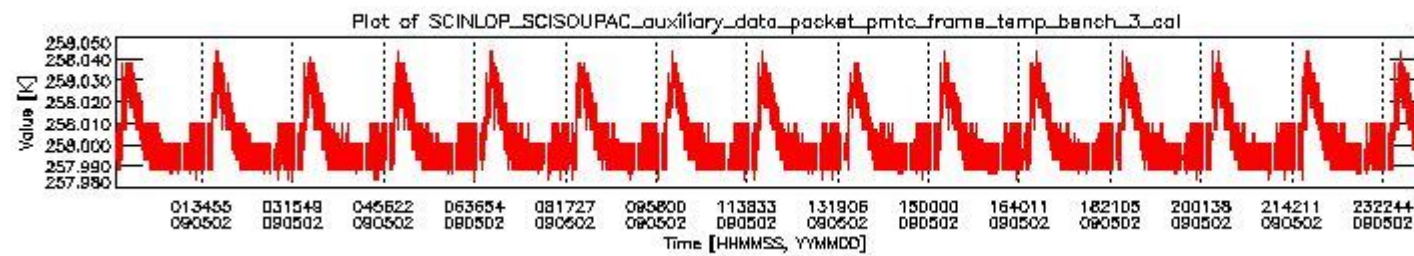
This section shows information about product quality, currently temperatures.



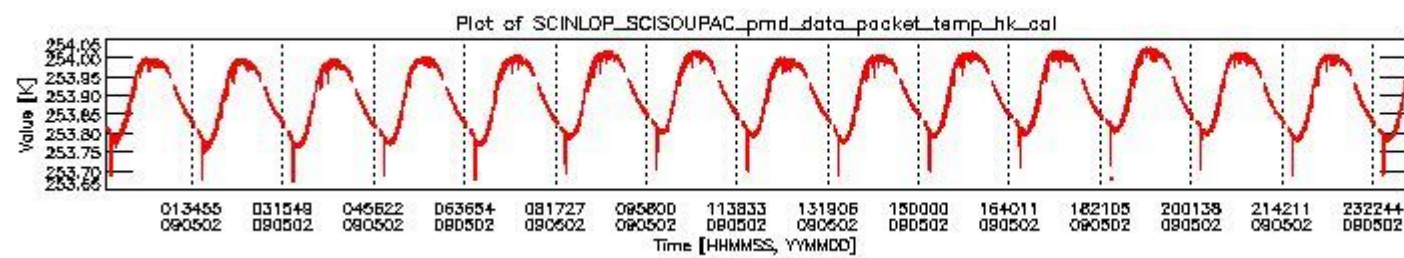
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090502_0.PNG



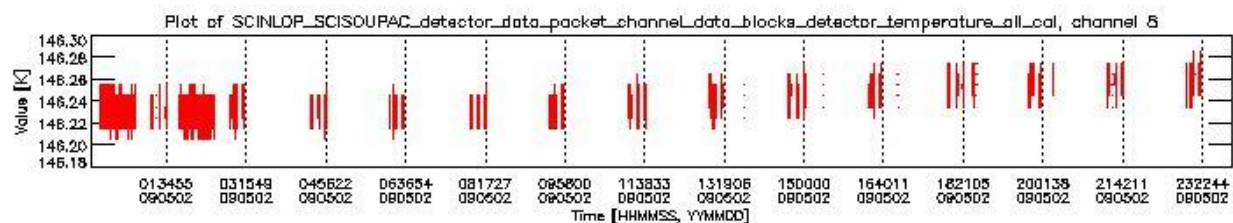
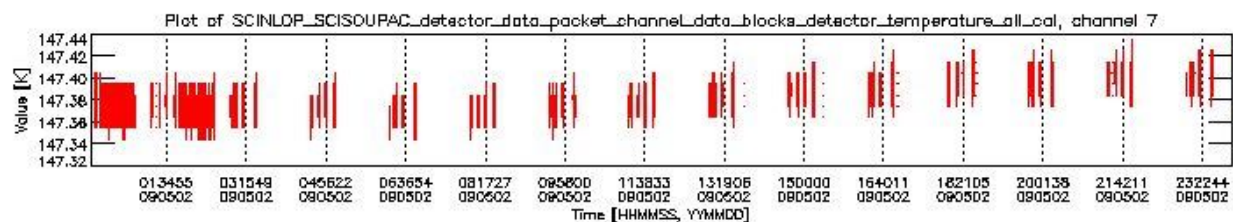
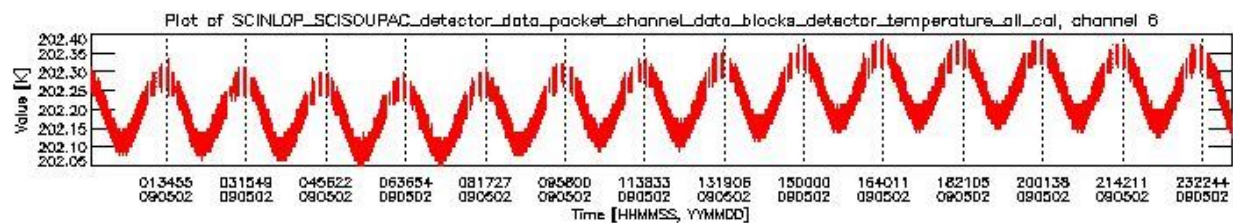
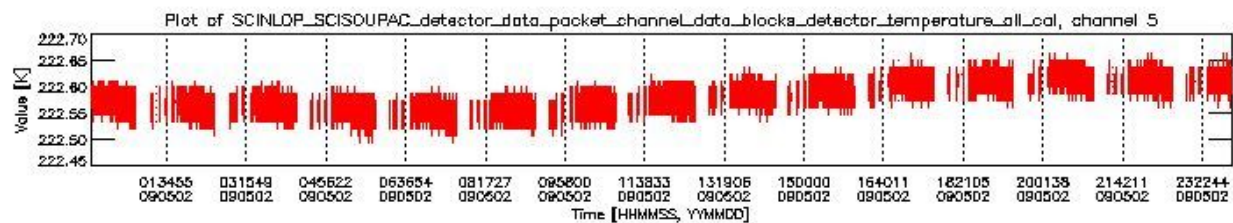
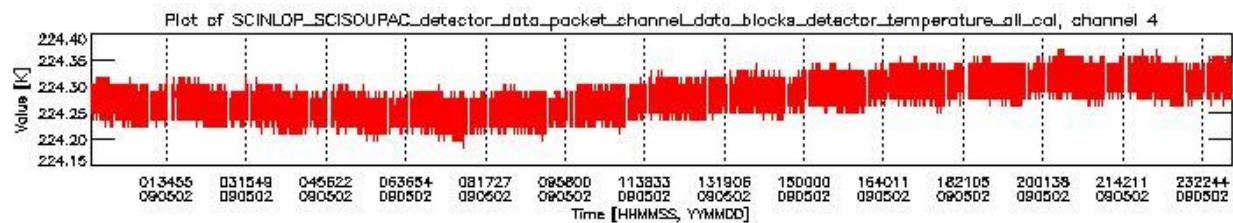
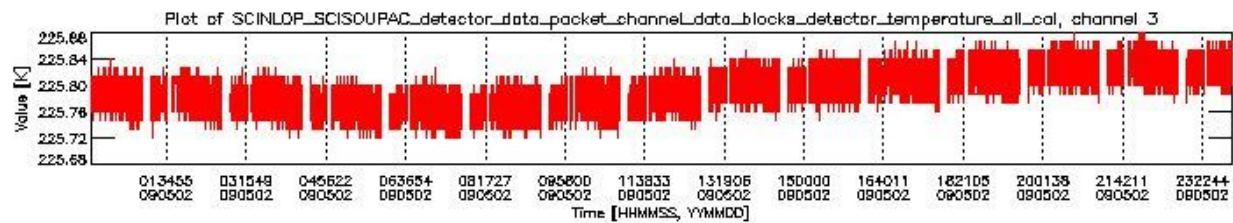
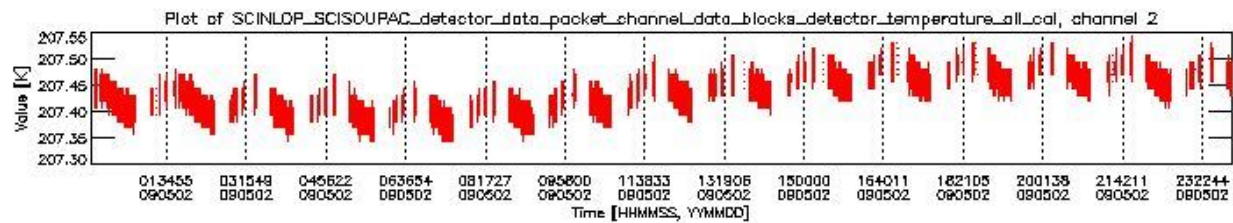
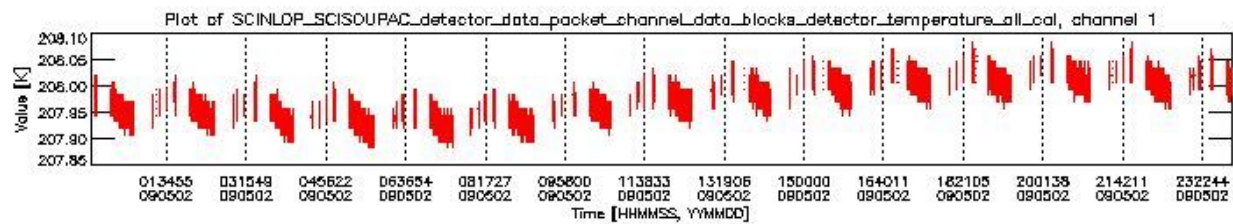
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090502_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090502_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090502_3.PNG

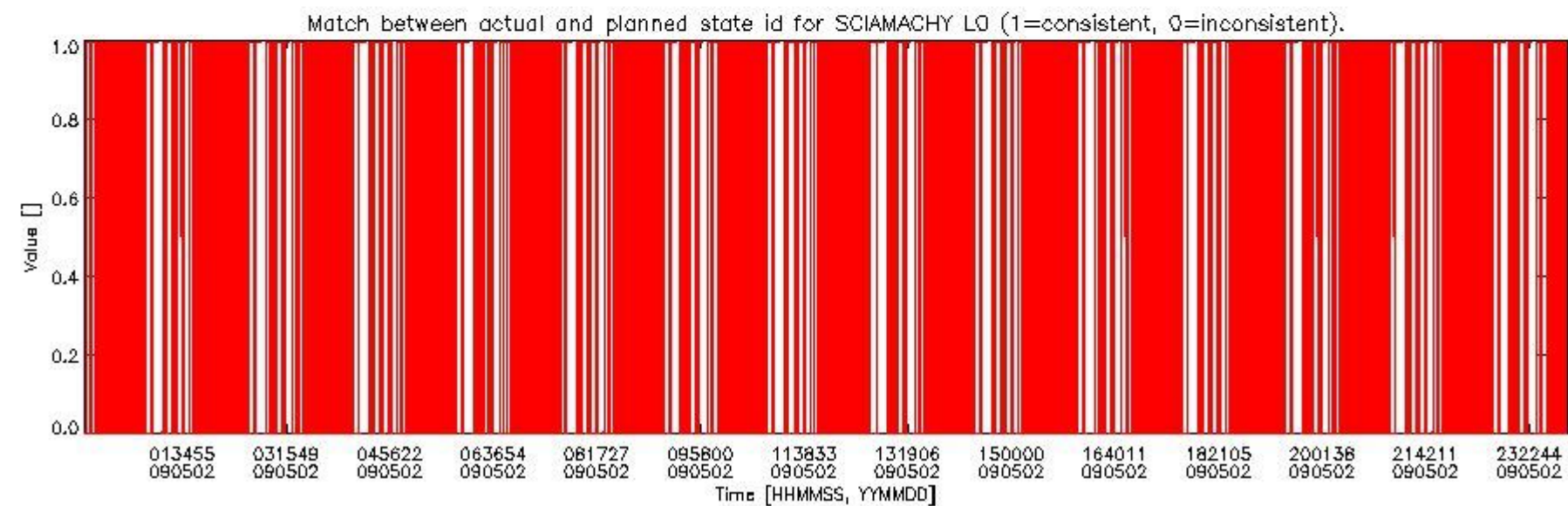
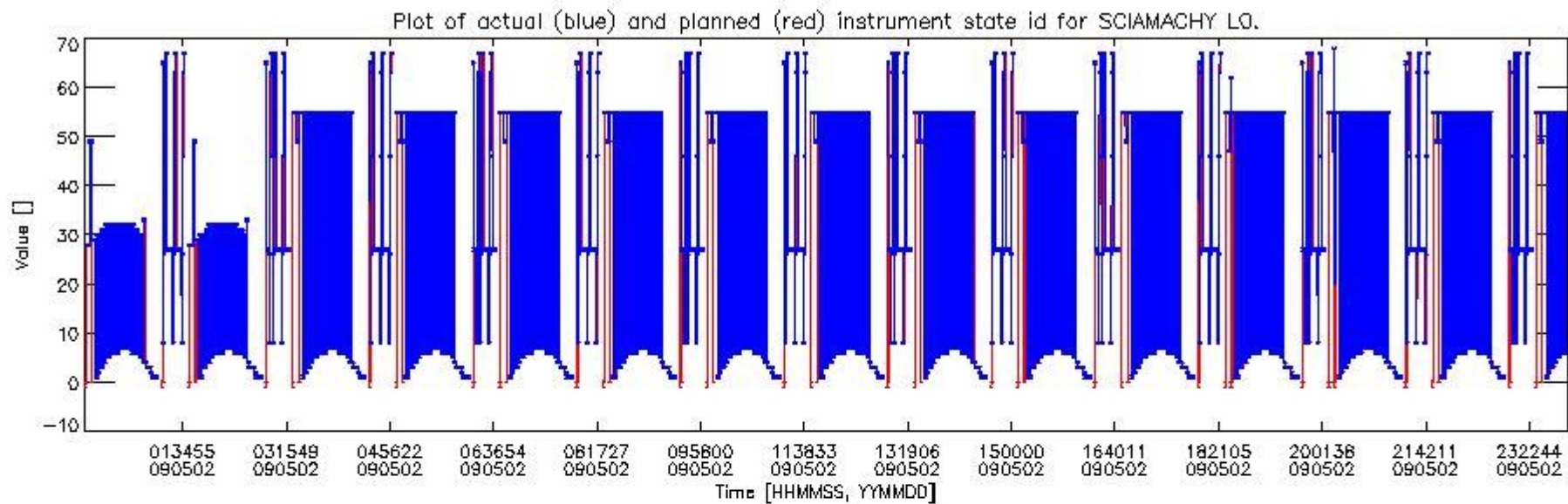


0.3 State monitoring

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: **49329**

#	Actual time	Actual value	Planned time	Planned value
0	02MAY2009 00:00:52.676238	28	02MAY2009 00:00:52.676238	0
1	02MAY2009 00:00:53.301220	28	02MAY2009 00:00:53.301220	0
2	02MAY2009 00:00:53.676233	28	02MAY2009 00:00:53.676233	0
3	02MAY2009 00:00:54.051246	28	02MAY2009 00:00:54.051246	0
4	02MAY2009 00:00:54.613745	28	02MAY2009 00:00:54.613745	0
5	02MAY2009 00:00:54.988718	28	02MAY2009 00:00:54.988718	0
6	02MAY2009 00:00:55.363731	28	02MAY2009 00:00:55.363731	0
7	02MAY2009 00:00:55.738744	28	02MAY2009 00:00:55.738744	0
8	02MAY2009 00:00:56.301244	28	02MAY2009 00:00:56.301244	0
9	02MAY2009 00:00:56.676216	28	02MAY2009 00:00:56.676216	0
10	02MAY2009 00:00:57.051229	28	02MAY2009 00:00:57.051229	0
11	02MAY2009 00:00:57.426243	28	02MAY2009 00:00:57.426243	0
12	02MAY2009 00:00:57.676211	28	02MAY2009 00:00:57.676211	0
13	02MAY2009 00:00:57.988742	28	02MAY2009 00:00:57.988742	0
14	02MAY2009 00:00:58.363715	28	02MAY2009 00:00:58.363715	0
15	02MAY2009 00:00:58.738728	28	02MAY2009 00:00:58.738728	0
16	02MAY2009 00:00:59.113741	28	02MAY2009 00:00:59.113741	0
17	02MAY2009 00:00:59.676240	28	02MAY2009 00:00:59.676240	0
18	02MAY2009 00:01:00.051213	28	02MAY2009 00:01:00.051213	0
19	02MAY2009 00:01:00.426226	28	02MAY2009 00:01:00.426226	0
...

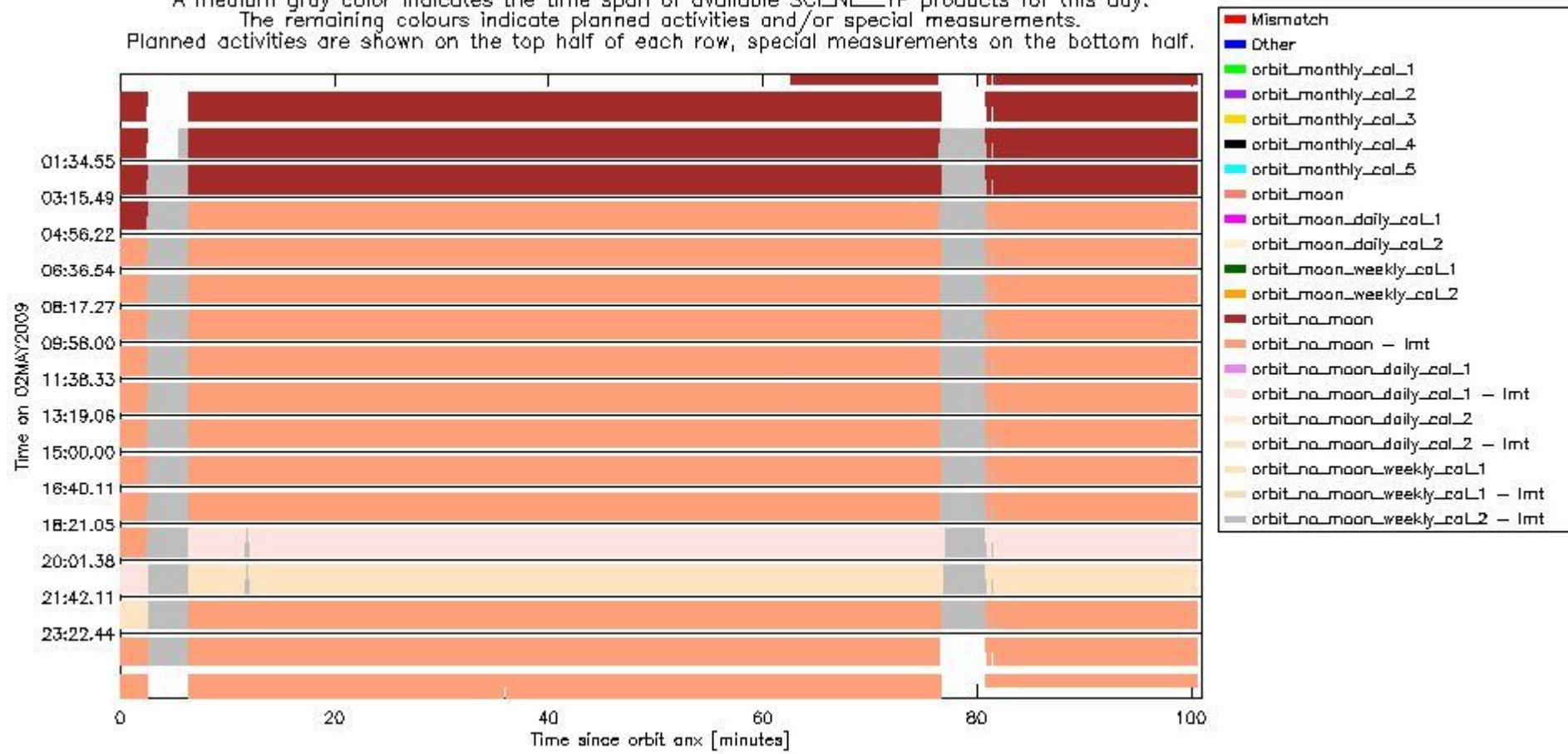


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090502_5.PNG

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 Q2MAY2009.
 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_20090502_6.PNG

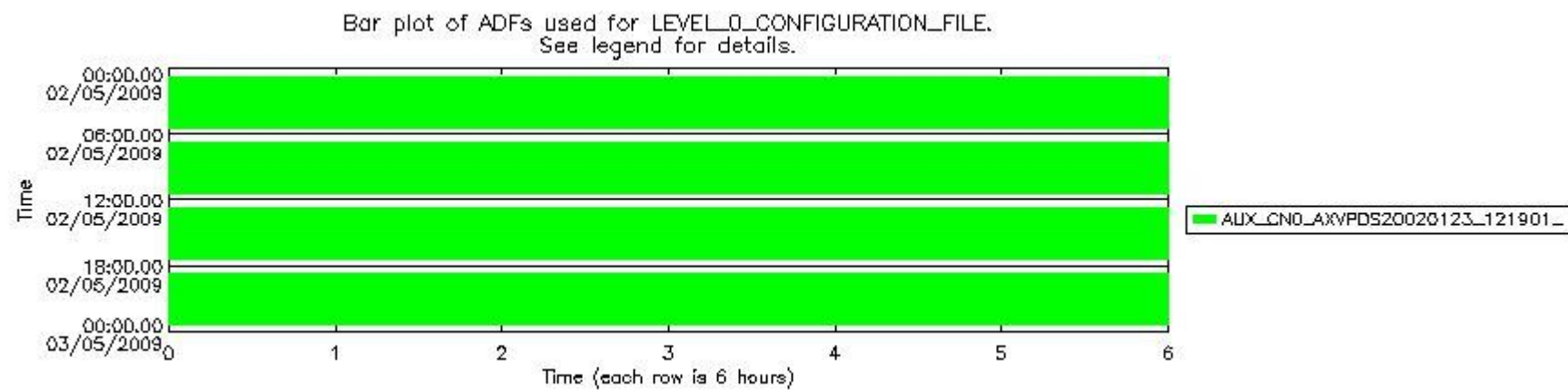
0.4 ADF monitoring

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

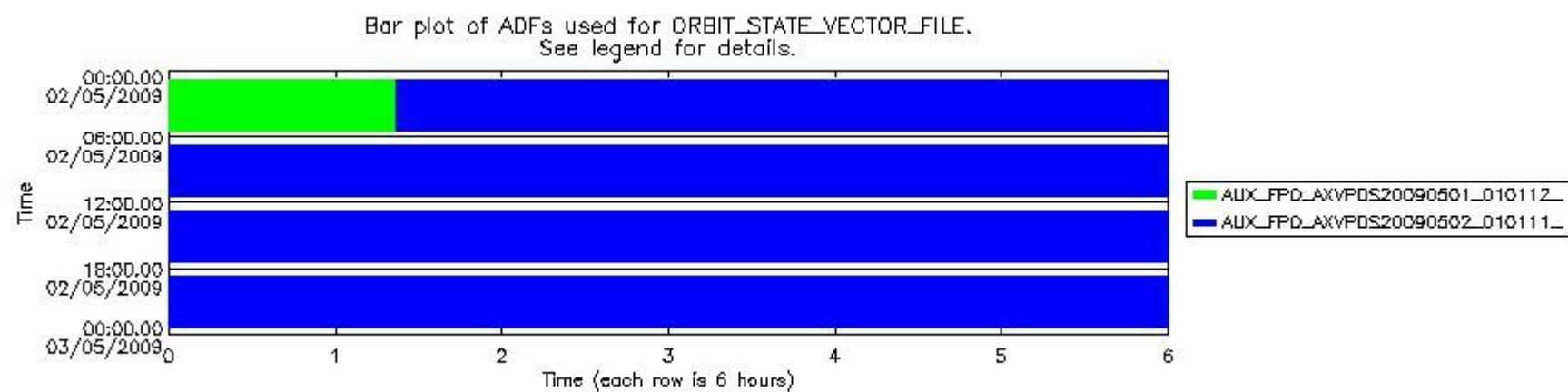
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

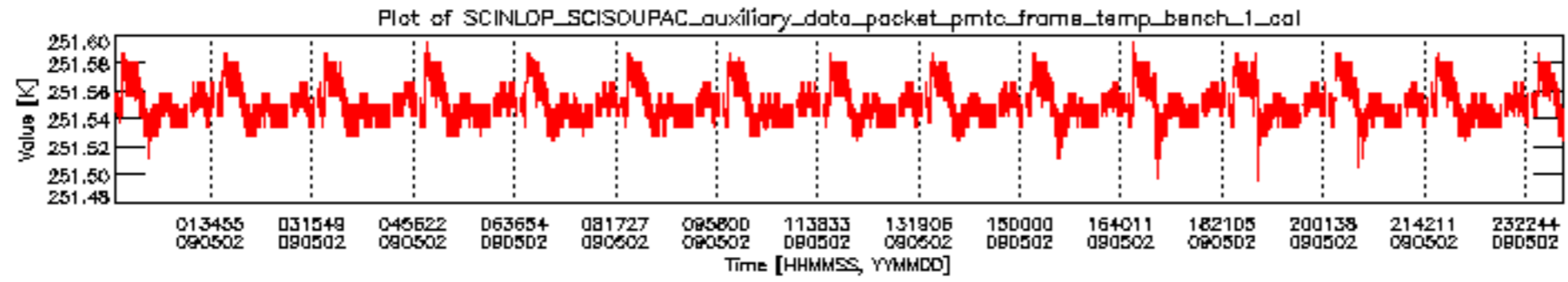
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090501_010112_20090430_192415_20090510_205029
2	AUX_FPO_AXVPDS20090502_010111_20090501_185238_20090511_201852

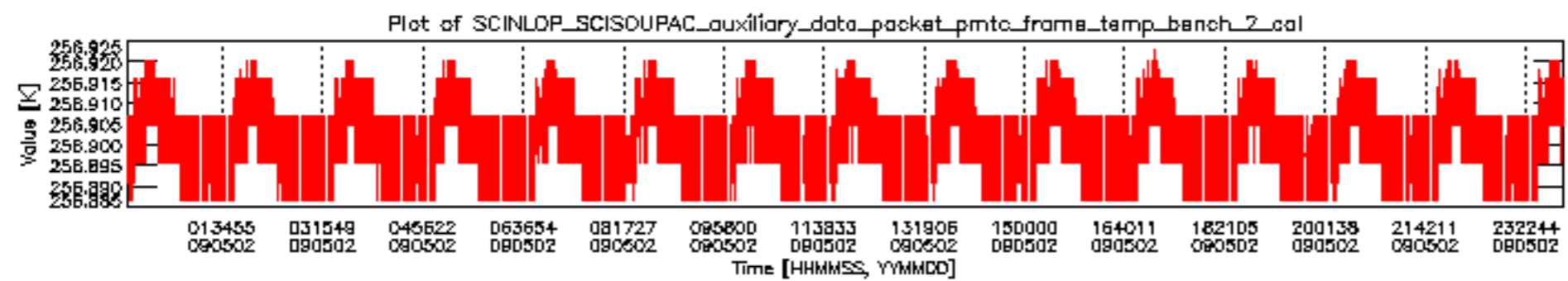


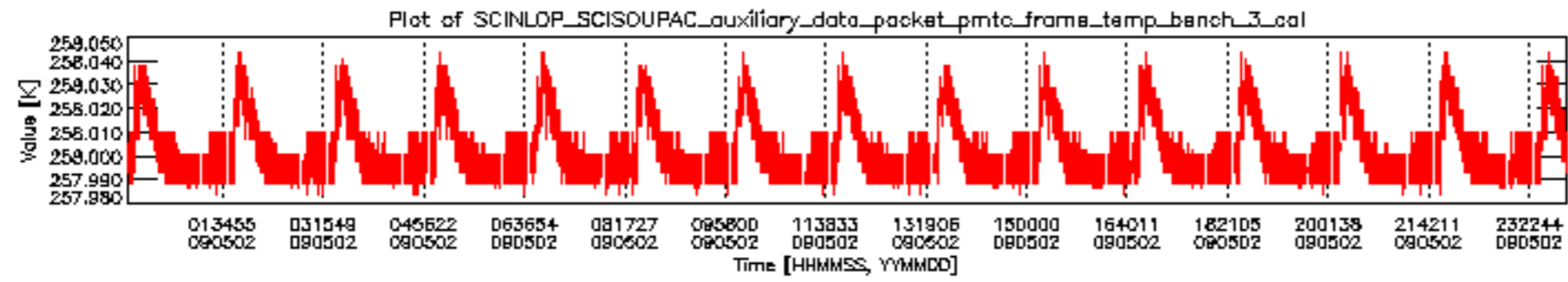
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090502_7.PNG

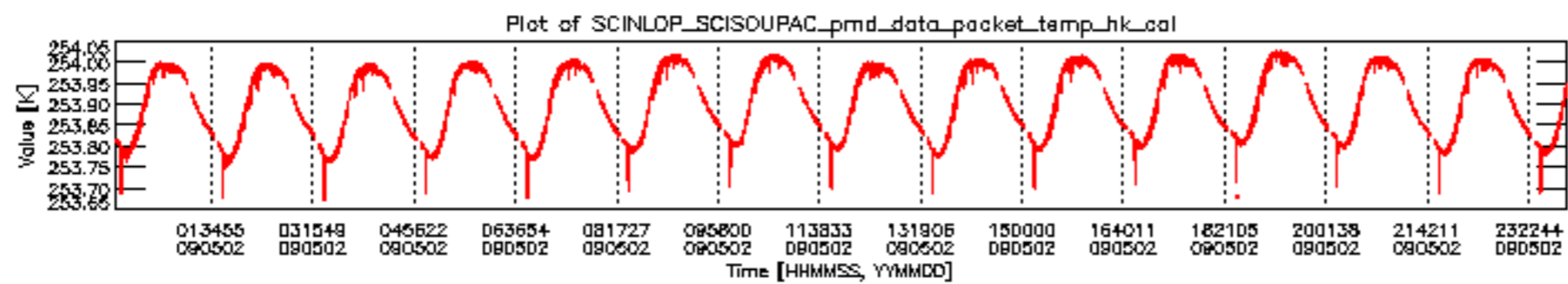


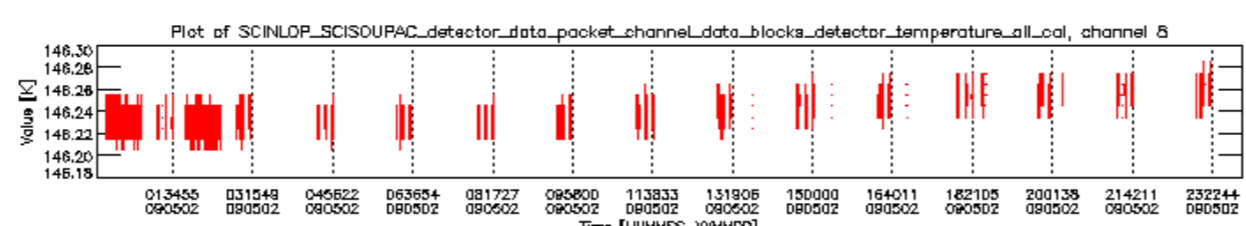
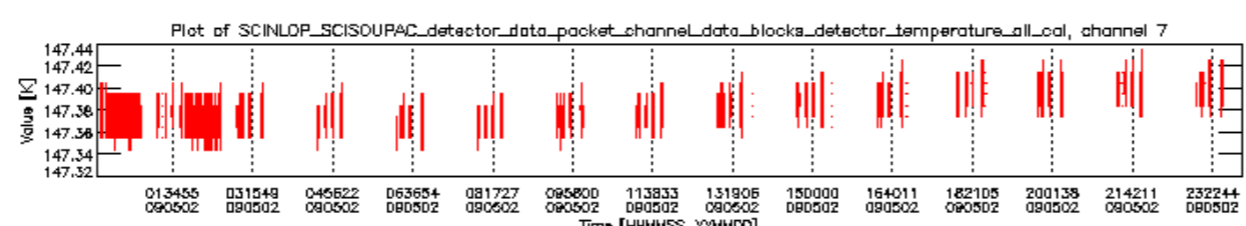
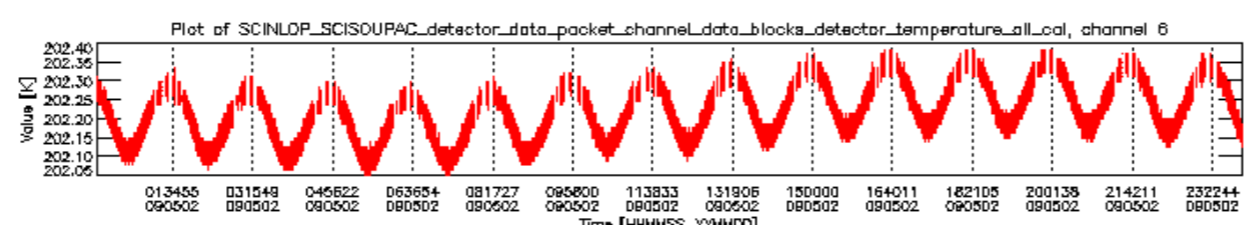
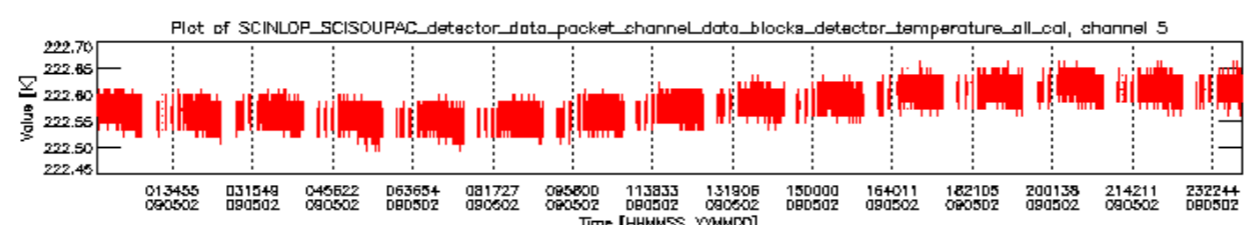
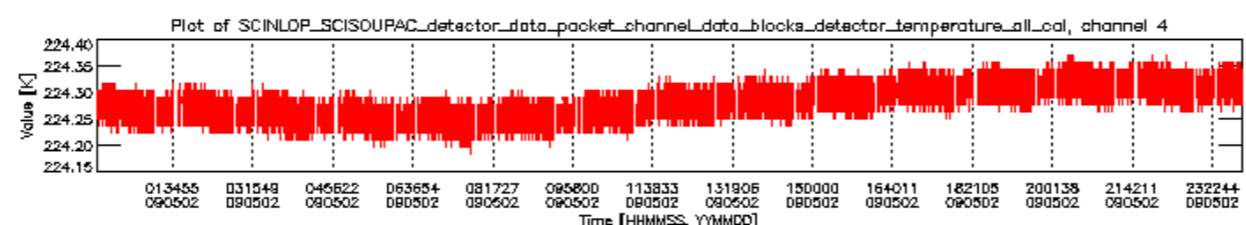
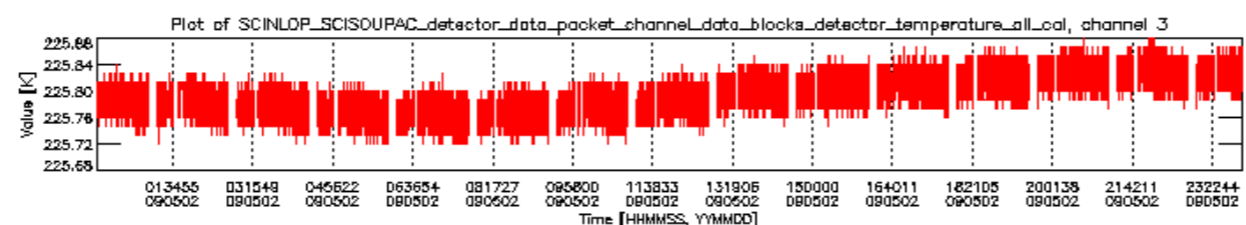
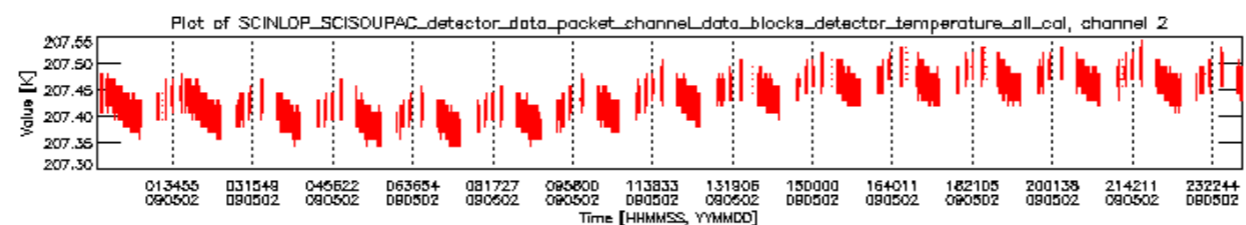
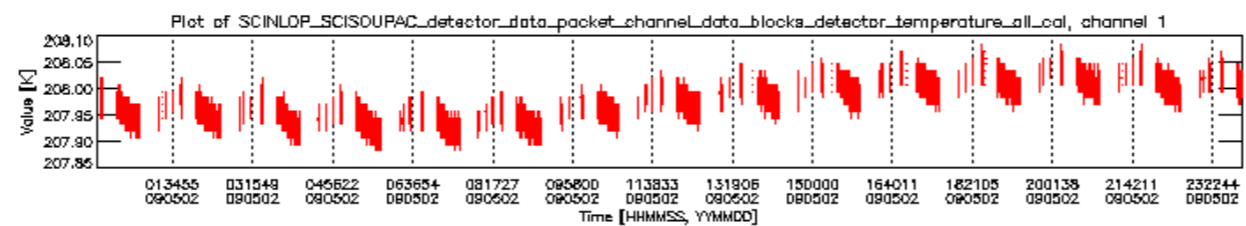
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090502_8.PNG

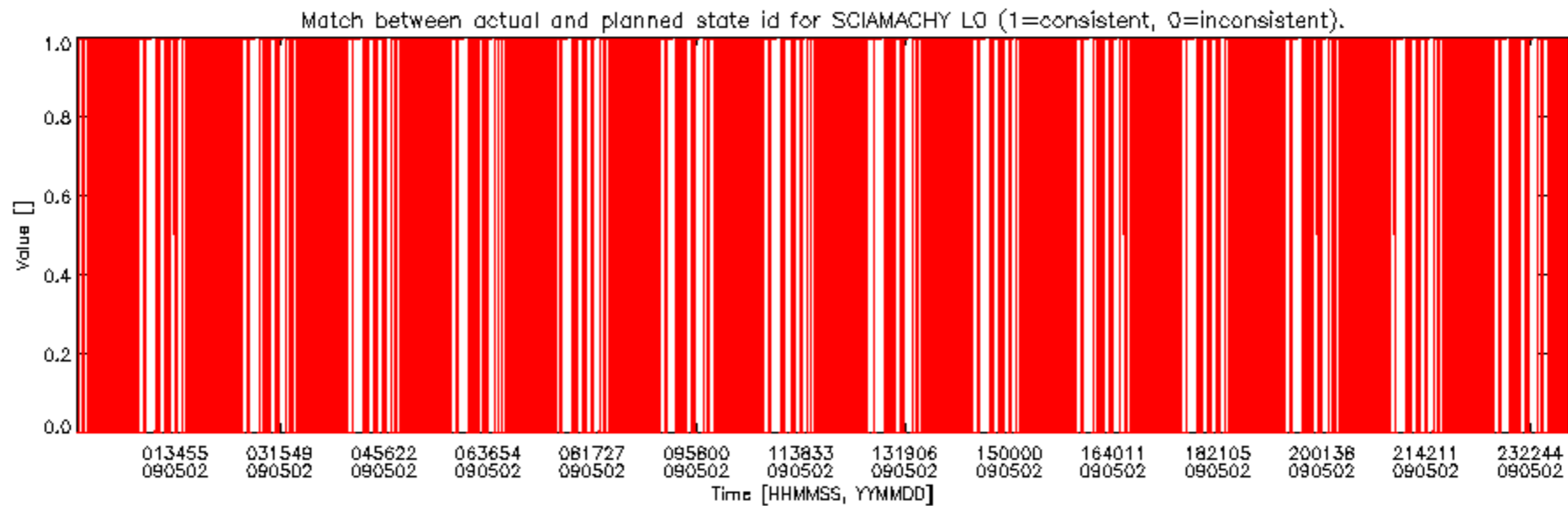
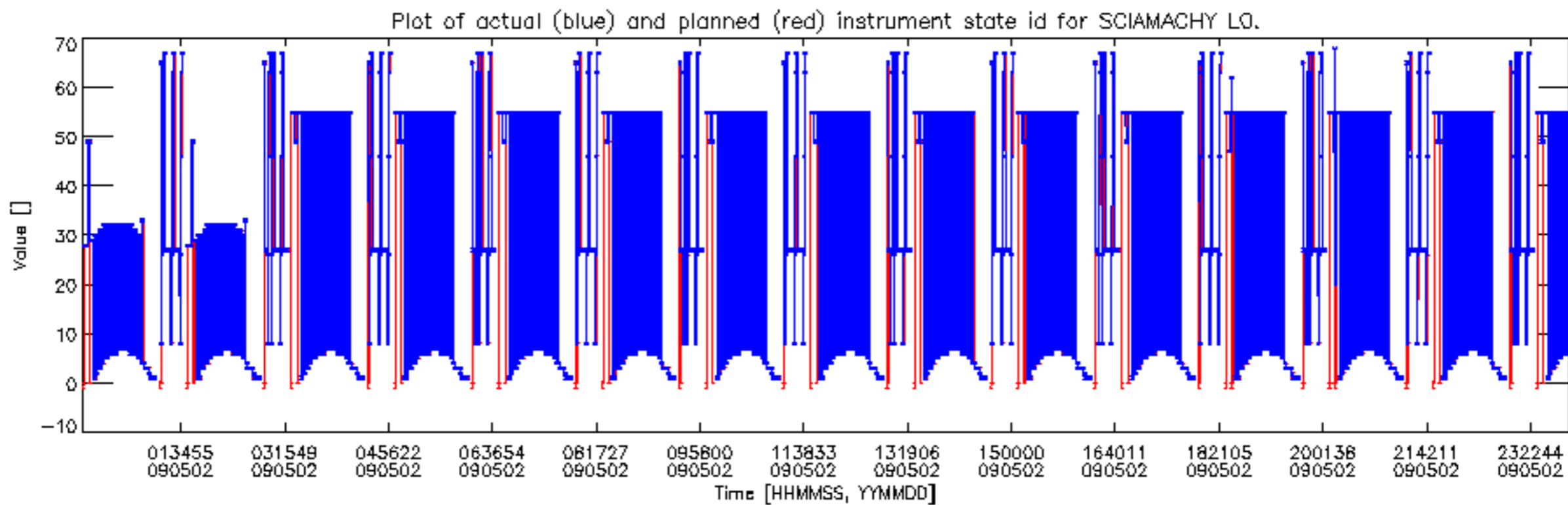












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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