

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	04MAR2009 06:44:38
Data source version	KSPT_L0/4303-N
Processing scope for products	28FEB2009 00:00:00 to 01MAR2009 00:00:00
Start time of first product within scope	27FEB2009 23:22:44
Stop time of last product within scope	01MAR2009 00:32:18
Total number of level 0 products	16
Number of level 0 products with errors	0

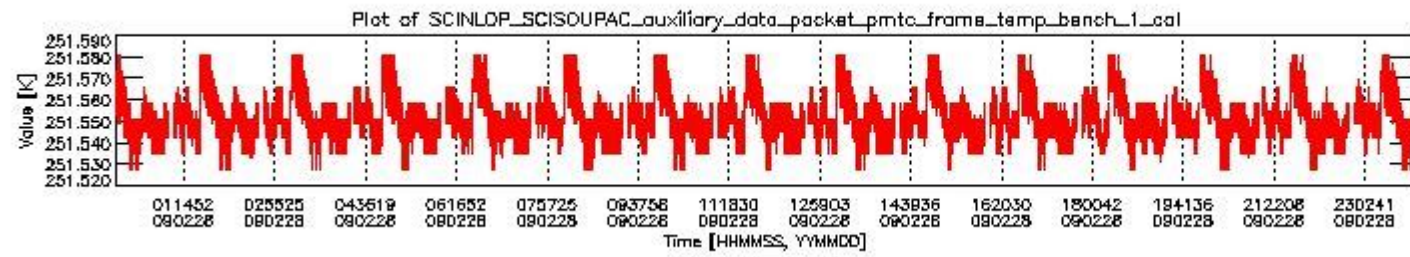
0.1.2 Summary per product

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

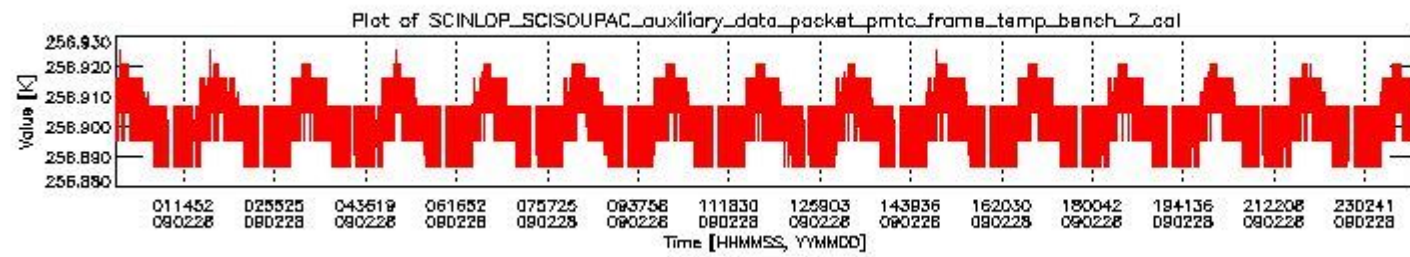
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090227_232244_000060792076_00459_36585_8579.N1	27FEB2009 23:22:44	28FEB2009 01:04:03	0	0	0	0	0
1	SCI_NL__OPNPDE20090228_010319_000048502076_00460_36586_8580.N1	28FEB2009 01:03:19	28FEB2009 02:24:09	0	0	0	0	0
2	SCI_NL__OPNPDE20090228_022409_000054822076_00461_36587_8581.N1	28FEB2009 02:24:09	28FEB2009 03:55:31	0	0	0	0	0
3	SCI_NL__OPNPDE20090228_035531_000060912076_00462_36588_8582.N1	28FEB2009 03:55:31	28FEB2009 05:37:03	0	0	0	0	0
4	SCI_NL__OPNPDE20090228_053554_000061732076_00463_36589_8583.N1	28FEB2009 05:35:54	28FEB2009 07:18:47	0	0	0	0	0
5	SCI_NL__OPNPDK20090228_071738_000039762076_00464_36590_0836.N1	28FEB2009 07:17:38	28FEB2009 08:23:54	0	0	0	0	0
6	SCI_NL__OPNPDK20090228_082150_000063532076_00465_36591_0837.N1	28FEB2009 08:21:50	28FEB2009 10:07:43	0	0	0	0	0
7	SCI_NL__OPNPDK20090228_100647_000058982076_00466_36592_0838.N1	28FEB2009 10:06:47	28FEB2009 11:45:05	0	0	0	0	0
8	SCI_NL__OPNPDK20090228_114409_000059802076_00467_36593_0839.N1	28FEB2009 11:44:09	28FEB2009 13:23:49	0	0	0	0	0
9	SCI_NL__OPNPDK20090228_132240_000059672076_00468_36594_0840.N1	28FEB2009 13:22:40	28FEB2009 15:02:07	0	0	0	0	0
10	SCI_NL__OPNPDK20090228_150015_000059802076_00469_36595_0841.N1	28FEB2009 15:00:15	28FEB2009 16:39:55	0	0	0	0	0
11	SCI_NL__OPNPDK20090228_163641_000061602076_00470_36596_0842.N1	28FEB2009 16:36:41	28FEB2009 18:19:22	0	0	0	0	0
12	SCI_NL__OPNPDK20090228_181717_000061192076_00471_36597_0843.N1	28FEB2009 18:17:17	28FEB2009 19:59:16	0	0	0	0	0
13	SCI_NL__OPNPDE20090228_195752_000039492076_00472_36598_8584.N1	28FEB2009 19:57:52	28FEB2009 21:03:41	0	0	0	0	0
14	SCI_NL__OPNPDE20090228_210341_000064382076_00472_36598_8585.N1	28FEB2009 21:03:41	28FEB2009 22:50:59	0	0	0	0	0
15	SCI_NL__OPNPDE20090228_225059_000060792076_00473_36599_8586.N1	28FEB2009 22:50:59	01MAR2009 00:32:18	0	0	0	0	0

0.2 Product Quality Indicators

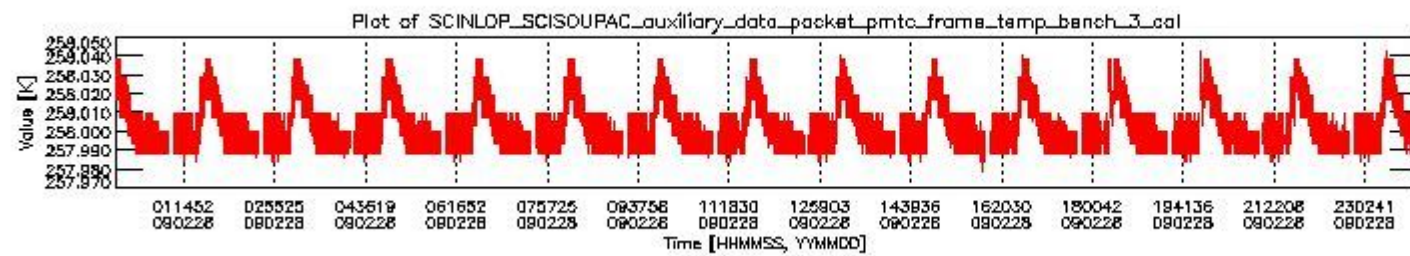
This section shows information about product quality, currently temperatures.



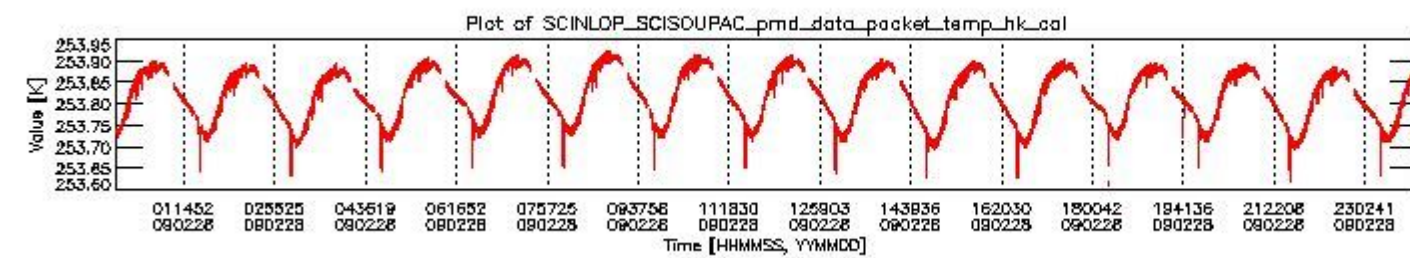
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090228_0.PNG



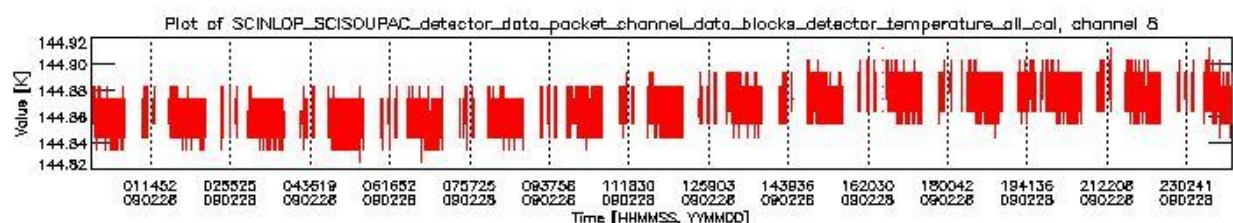
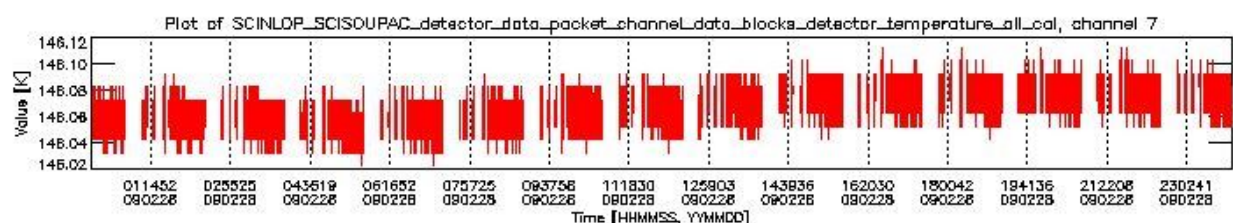
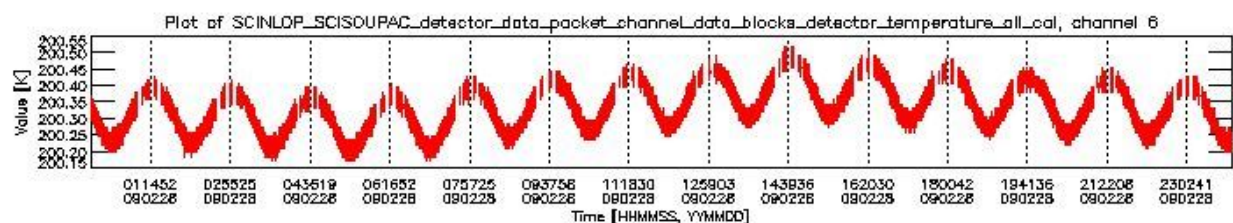
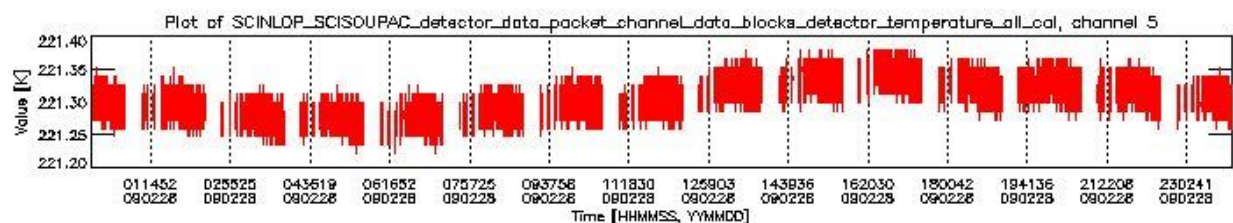
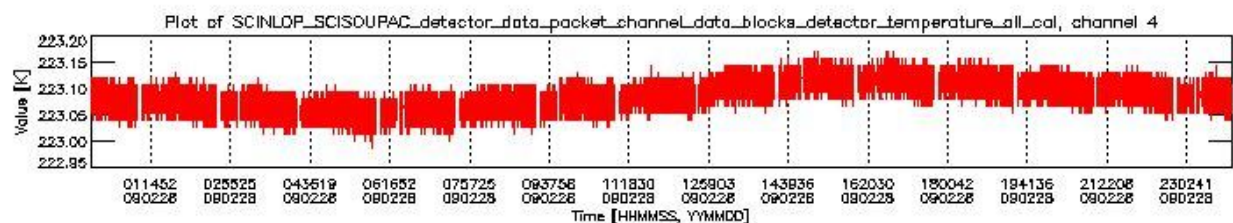
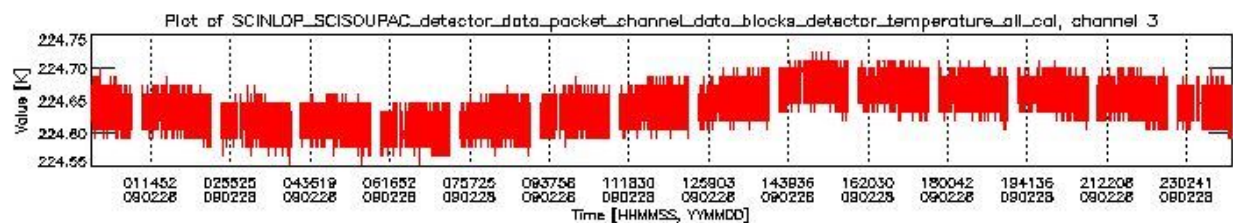
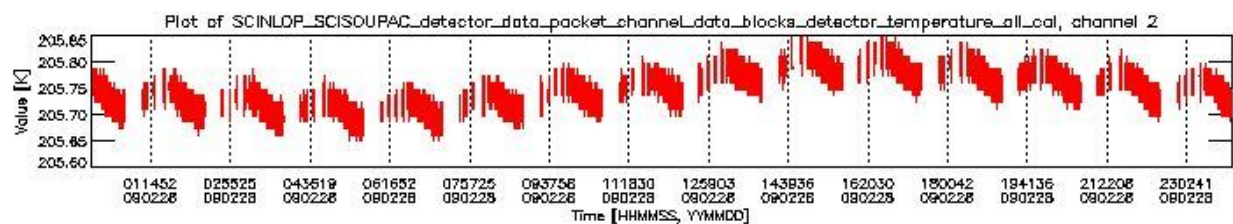
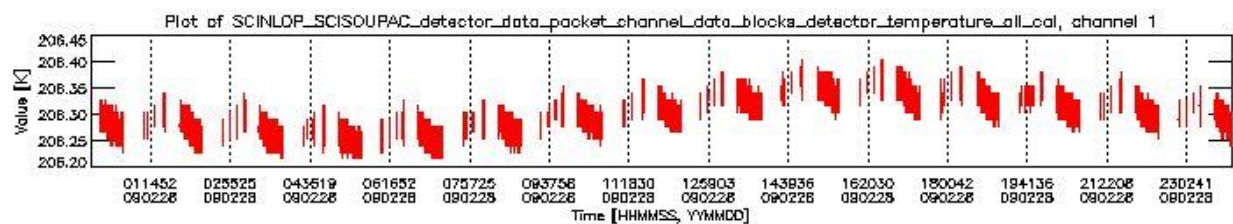
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20090228_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090228_3.PNG

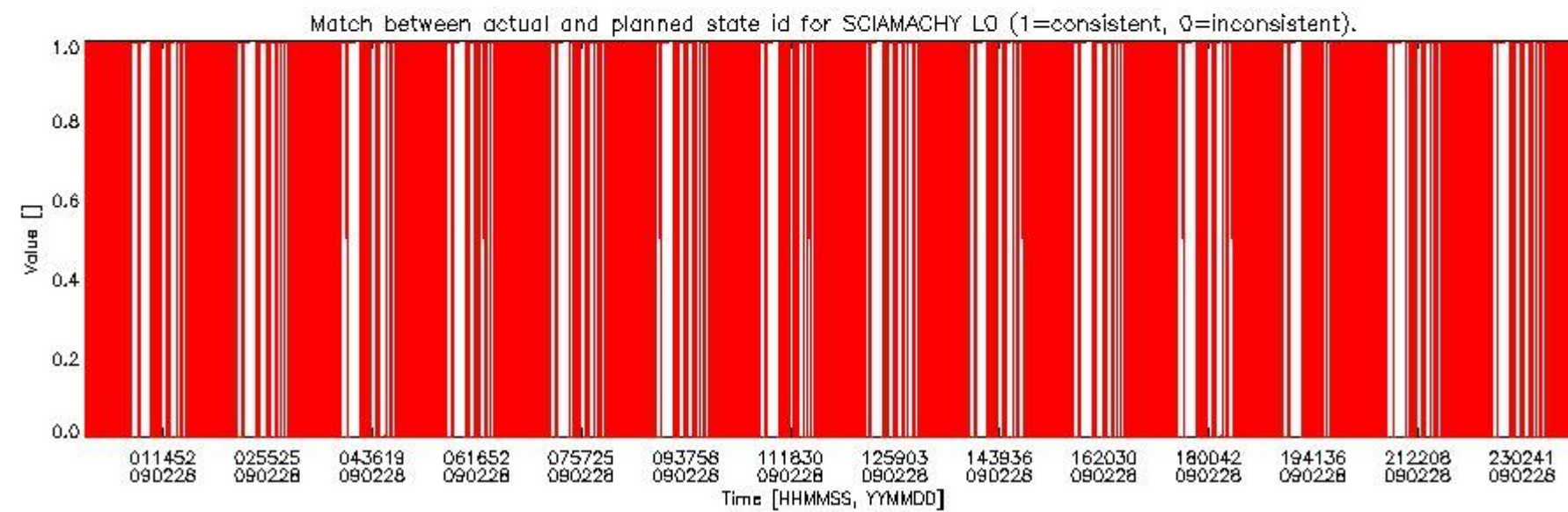
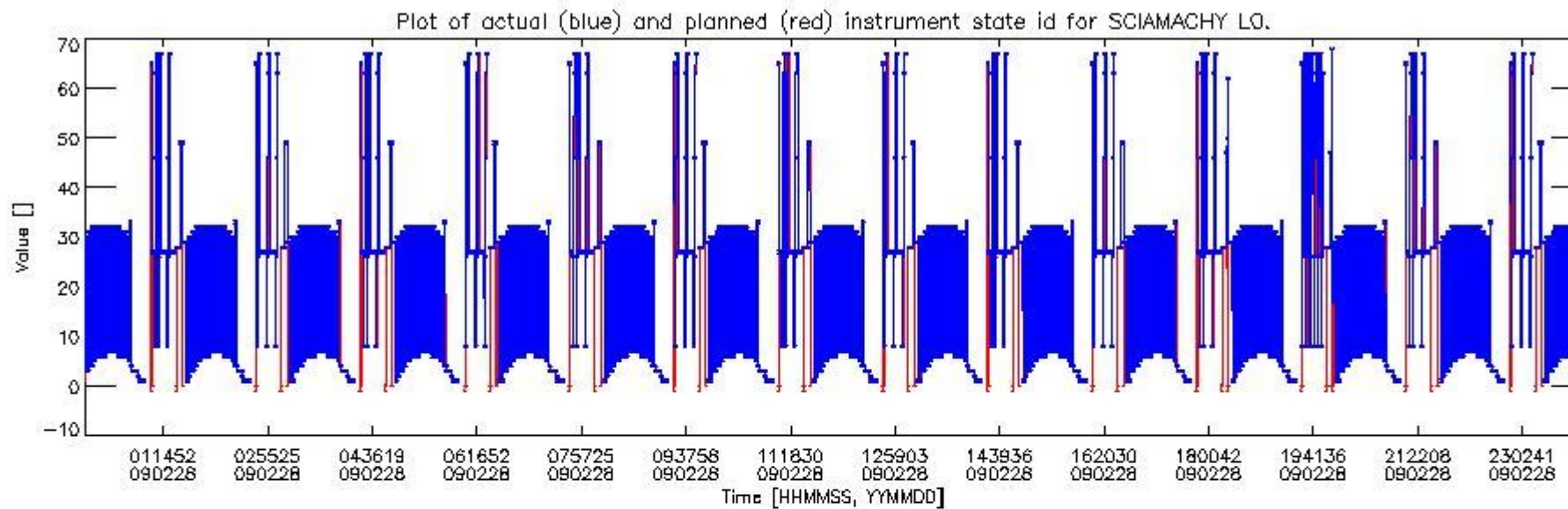


0.3 State monitoring

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: **46297**

#	Actual time	Actual value	Planned time	Planned value
0	28FEB2009 00:00:01.503351	3	28FEB2009 00:00:01.503351	30
1	28FEB2009 00:00:01.753320	3	28FEB2009 00:00:01.753320	30
2	28FEB2009 00:00:01.878324	3	28FEB2009 00:00:01.878324	30
3	28FEB2009 00:00:02.003329	3	28FEB2009 00:00:02.003329	30
4	28FEB2009 00:00:02.128333	3	28FEB2009 00:00:02.128333	30
5	28FEB2009 00:00:02.253337	3	28FEB2009 00:00:02.253337	30
6	28FEB2009 00:00:02.378342	3	28FEB2009 00:00:02.378342	30
7	28FEB2009 00:00:02.503346	3	28FEB2009 00:00:02.503346	30
8	28FEB2009 00:00:02.628350	3	28FEB2009 00:00:02.628350	30
9	28FEB2009 00:00:02.753355	3	28FEB2009 00:00:02.753355	30
10	28FEB2009 00:00:02.878319	3	28FEB2009 00:00:02.878319	30
11	28FEB2009 00:00:03.003323	3	28FEB2009 00:00:03.003323	30
12	28FEB2009 00:00:03.128327	3	28FEB2009 00:00:03.128327	30
13	28FEB2009 00:00:03.253332	3	28FEB2009 00:00:03.253332	30
14	28FEB2009 00:00:03.378336	3	28FEB2009 00:00:03.378336	30
15	28FEB2009 00:00:03.503340	3	28FEB2009 00:00:03.503340	30
16	28FEB2009 00:00:03.628345	3	28FEB2009 00:00:03.628345	30
17	28FEB2009 00:00:03.753349	3	28FEB2009 00:00:03.753349	30
18	28FEB2009 00:00:03.878354	3	28FEB2009 00:00:03.878354	30
19	28FEB2009 00:00:04.003318	3	28FEB2009 00:00:04.003318	30

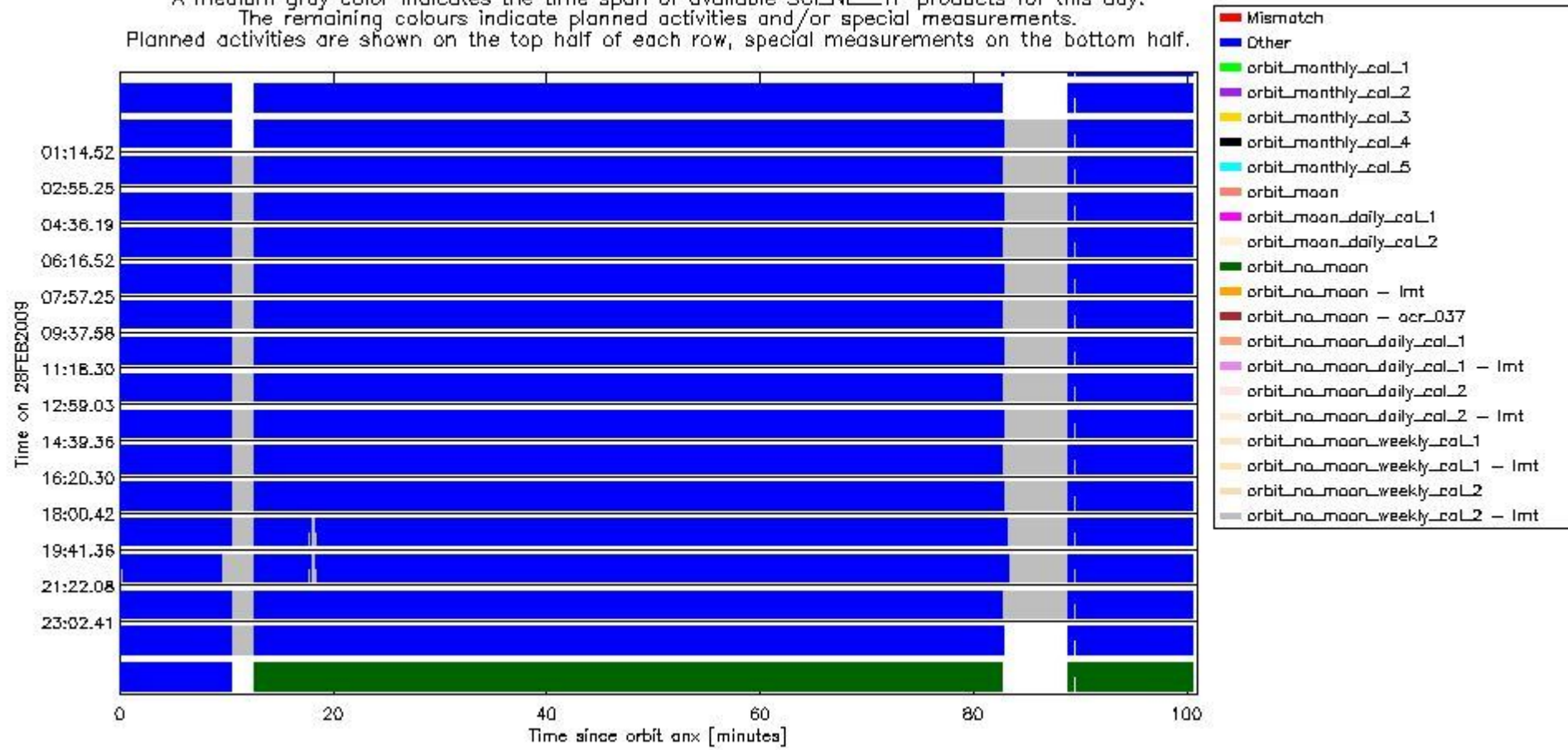


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090228_5.PNG

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 28FEB2009.
 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_20090228_6.PNG

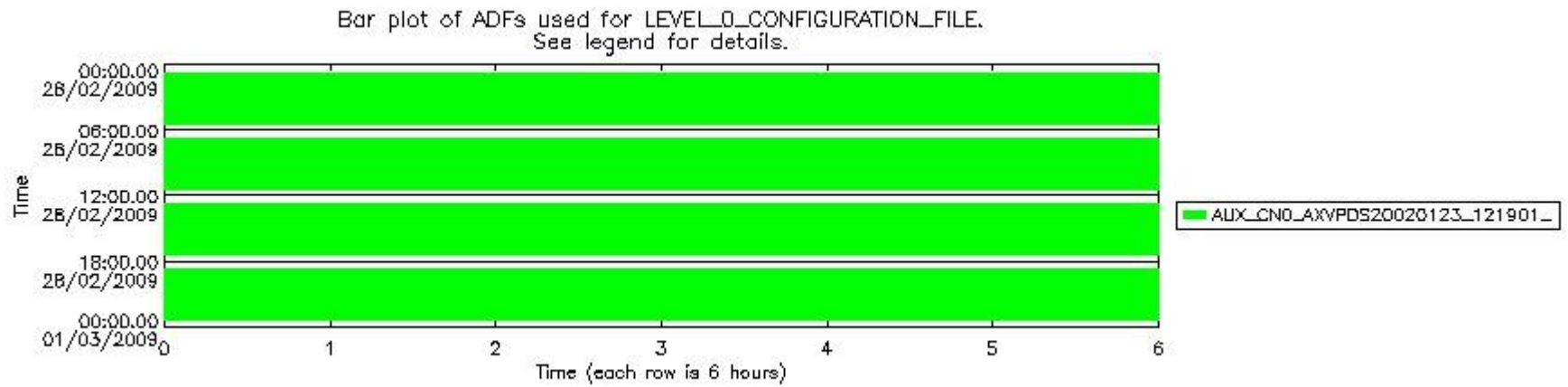
0.4 ADF monitoring

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

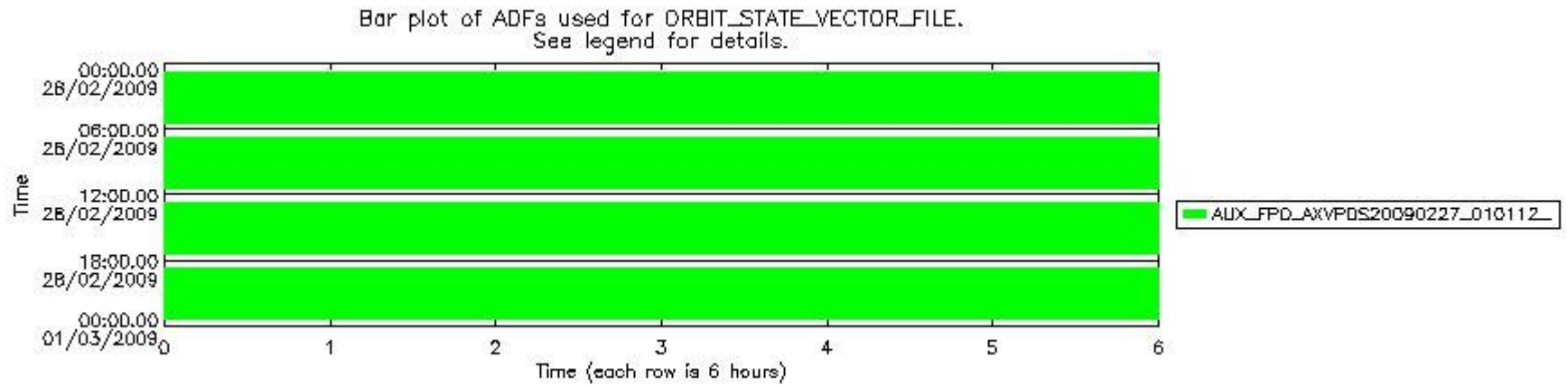
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

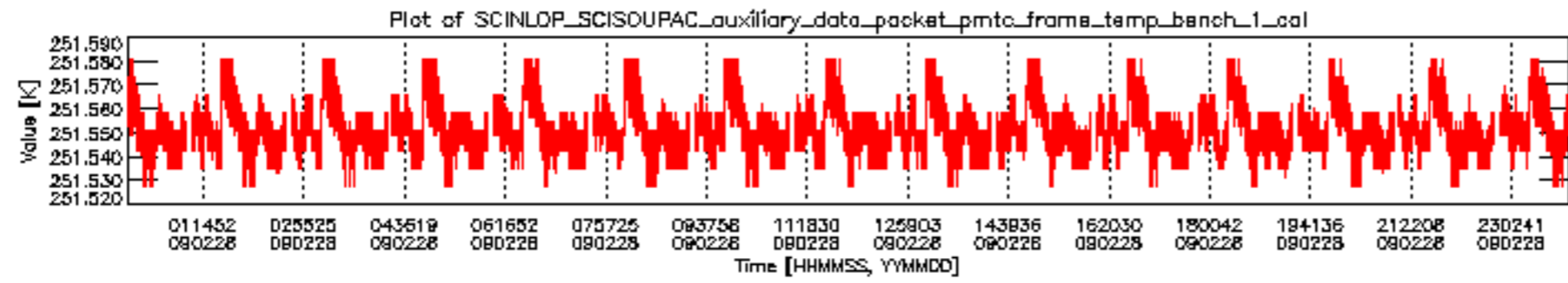
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090227_010112_20090226_190408_20090308_203022

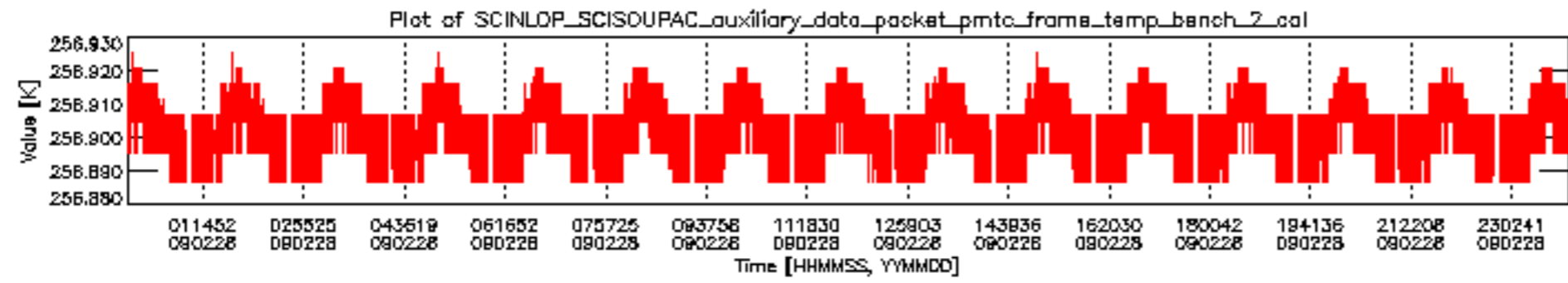


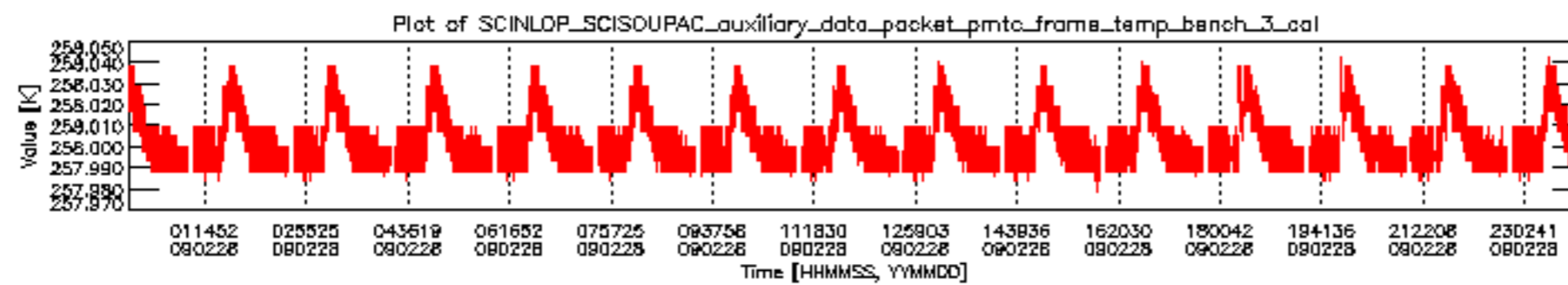
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090228_7.PNG

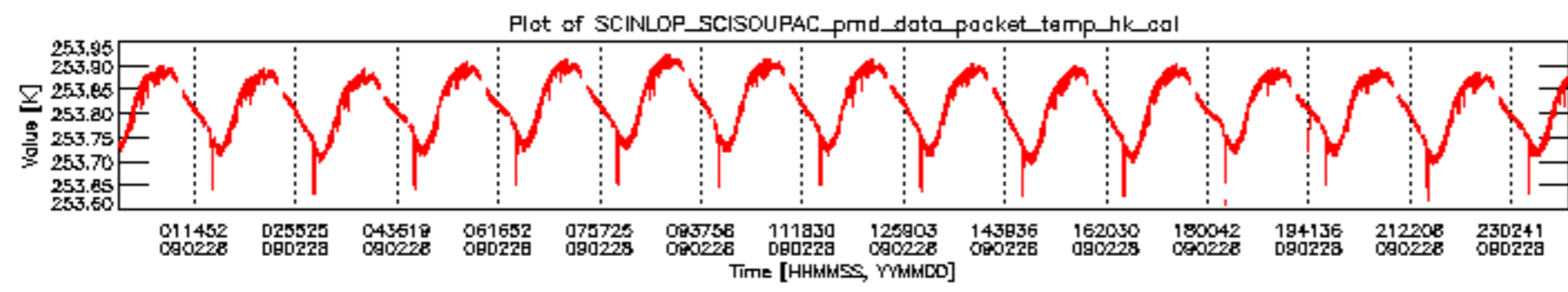


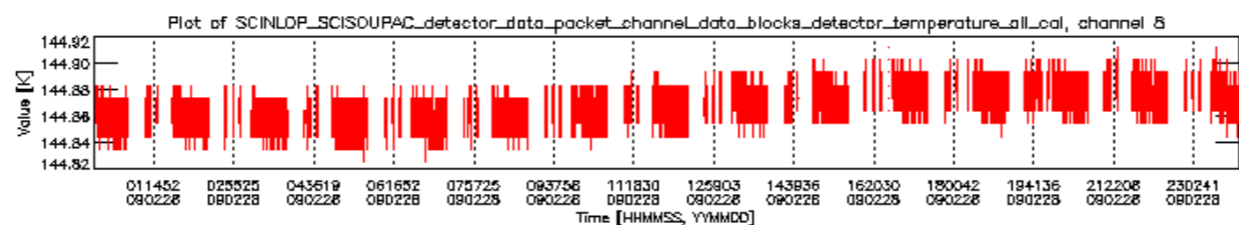
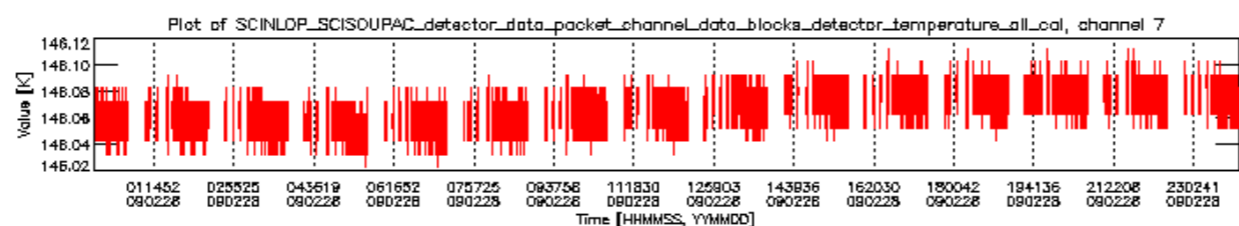
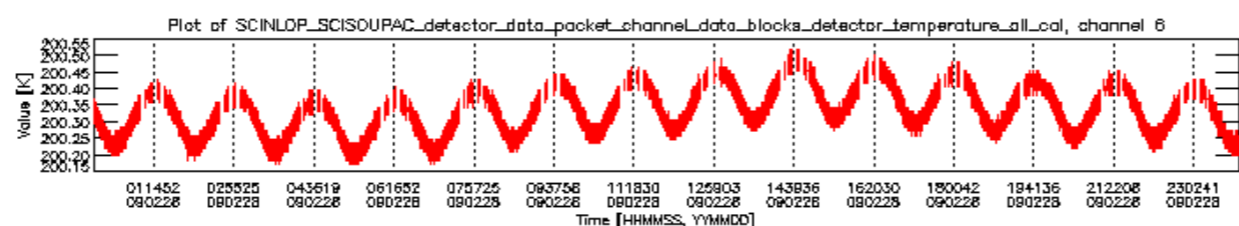
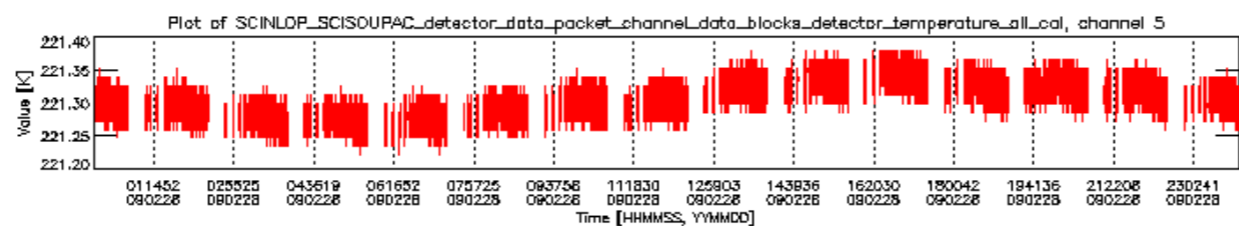
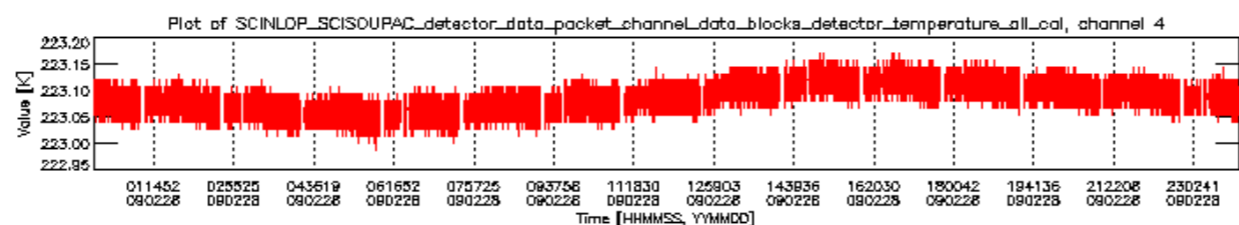
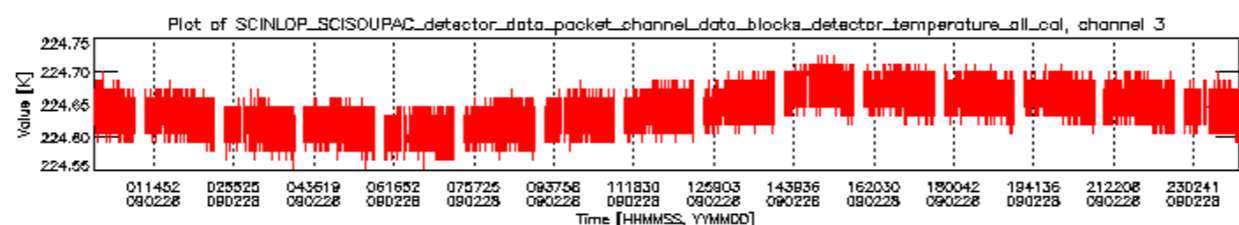
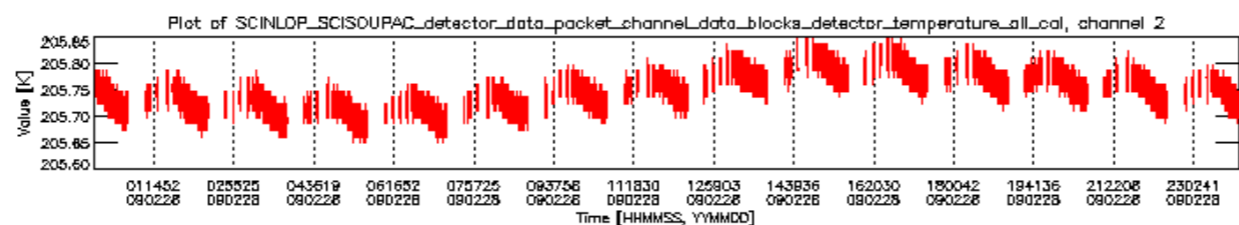
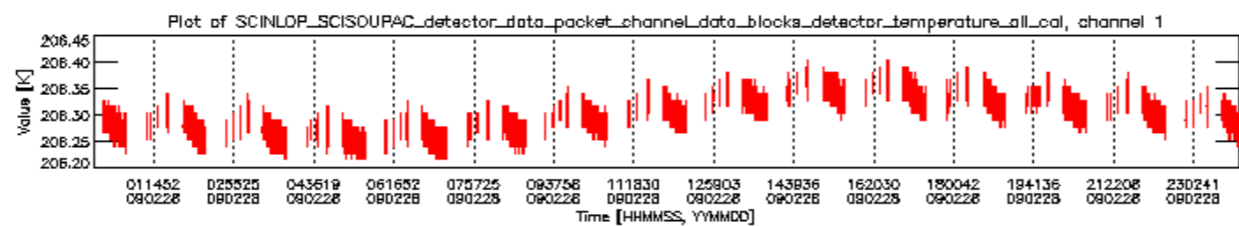
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090228_8.PNG

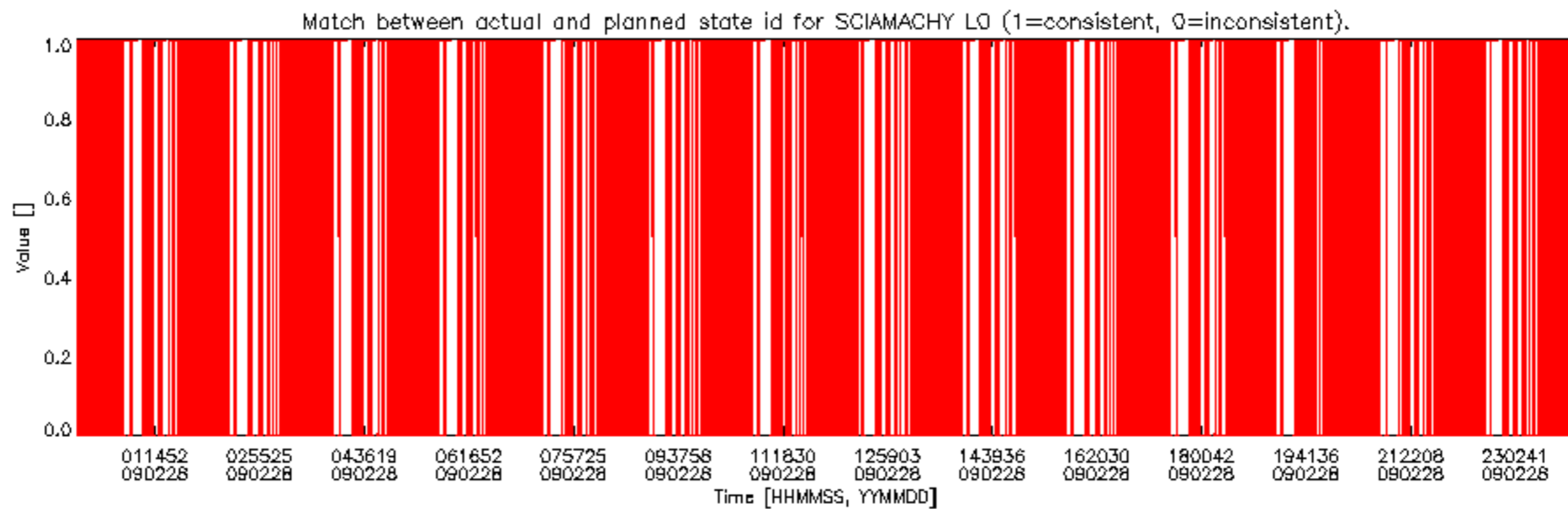
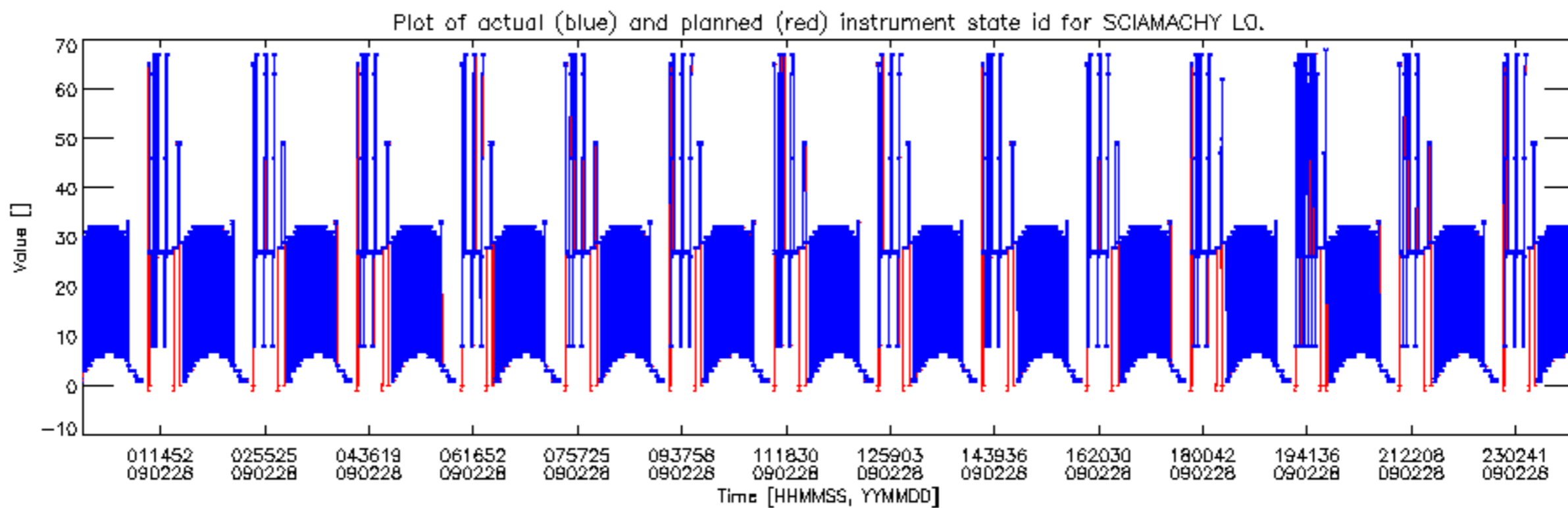












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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