

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	05MAR2009 04:56:20
Data source version	KSPT_L0/4303-N
Processing scope for products	01MAR2009 00:00:00 to 02MAR2009 00:00:00
Start time of first product within scope	28FEB2009 22:50:59
Stop time of last product within scope	02MAR2009 01:33:03
Total number of level 0 products	17
Number of level 0 products with errors	3

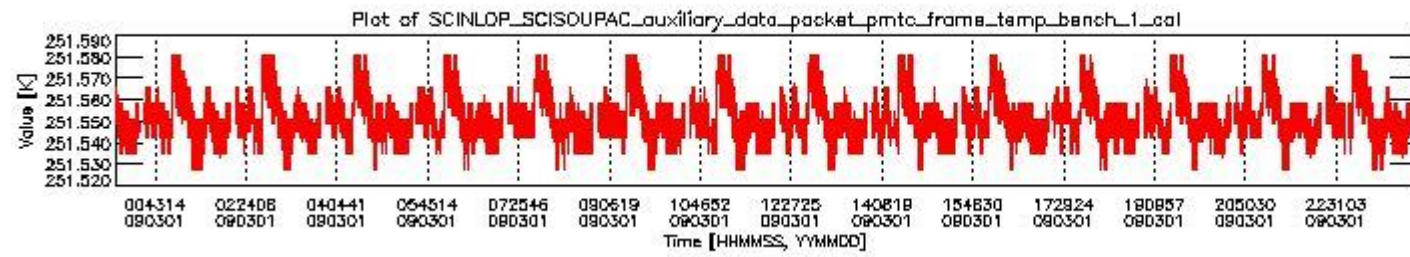
0.1.2 Summary per product

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

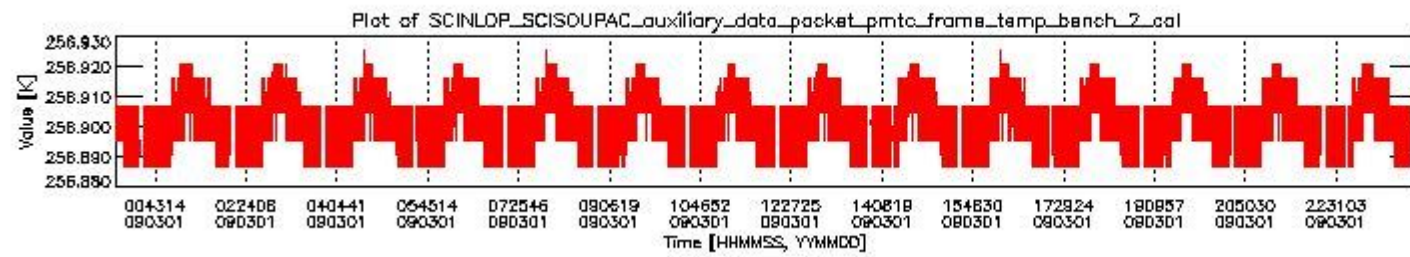
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090228_225059_000060792076_00473_36599_8586.N1	28FEB2009 22:50:59	01MAR2009 00:32:18	0	0	0	0	0
1	SCI_NL__OPNPDE20090301_003134_000055932076_00474_36600_8587.N1	01MAR2009 00:31:34	01MAR2009 02:04:47	0	0	0	0	0
2	SCI_NL__OPNPDE20090301_021210_000045472076_00475_36601_8588.N1	01MAR2009 02:12:10	01MAR2009 03:27:56	0	0	0	0	0
3	SCI_NL__OPNPDE20090301_032756_000058432076_00476_36602_8589.N1	01MAR2009 03:27:56	01MAR2009 05:05:19	0	0	0	0	0
4	SCI_NL__OPNPDE20090301_050410_000061732076_00477_36603_8590.N1	01MAR2009 05:04:10	01MAR2009 06:47:03	0	0	0	0	0
5	SCI_NL__OPNPDK20090301_064554_000040452076_00478_36604_0844.N1	01MAR2009 06:45:54	01MAR2009 07:53:19	0	0	0	0	0
6	SCI_NL__OPNPDK20090301_075210_000061732076_00479_36605_0845.N1	01MAR2009 07:52:10	01MAR2009 09:35:03	1	1	1	0	0
7	SCI_NL__OPNPDK20090301_093354_000059112076_00480_36606_0846.N1	01MAR2009 09:33:54	01MAR2009 11:12:25	0	0	0	0	0
8	SCI_NL__OPNPDK20090301_111117_000061732076_00481_36607_0850.N1	01MAR2009 11:11:17	01MAR2009 12:54:09	1	1	0	0	0
9	SCI_NL__OPNPDK20090301_125301_000059672076_00482_36608_0851.N1	01MAR2009 12:53:01	01MAR2009 14:32:28	0	0	0	0	0
10	SCI_NL__OPNPDK20090301_143132_000057992076_00483_36609_0852.N1	01MAR2009 14:31:32	01MAR2009 16:08:11	1	1	0	0	0
11	SCI_NL__OPNPDK20090301_160457_000061602076_00484_36610_0853.N1	01MAR2009 16:04:57	01MAR2009 17:47:38	0	0	0	0	0
12	SCI_NL__OPNPDK20090301_174533_000061192076_00485_36611_0854.N1	01MAR2009 17:45:33	01MAR2009 19:27:32	0	0	0	0	0
13	SCI_NL__OPNPDK20090301_192608_000060352076_00486_36612_0855.N1	01MAR2009 19:26:08	01MAR2009 21:06:44	0	0	0	0	0
14	SCI_NL__OPNPDE20090301_210644_000039092076_00487_36613_8591.N1	01MAR2009 21:06:44	01MAR2009 22:11:53	0	0	0	0	0
15	SCI_NL__OPNPDE20090301_221914_000056072076_00487_36613_8592.N1	01MAR2009 22:19:14	01MAR2009 23:52:41	0	0	0	0	0
16	SCI_NL__OPNPDE20090301_235949_000055942076_00488_36614_8593.N1	01MAR2009 23:59:49	02MAR2009 01:33:03	0	0	0	0	0

0.2 Product Quality Indicators

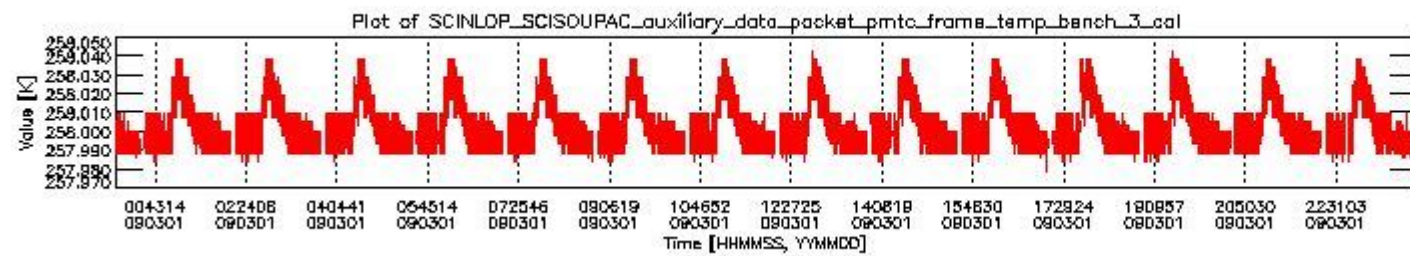
This section shows information about product quality, currently temperatures.



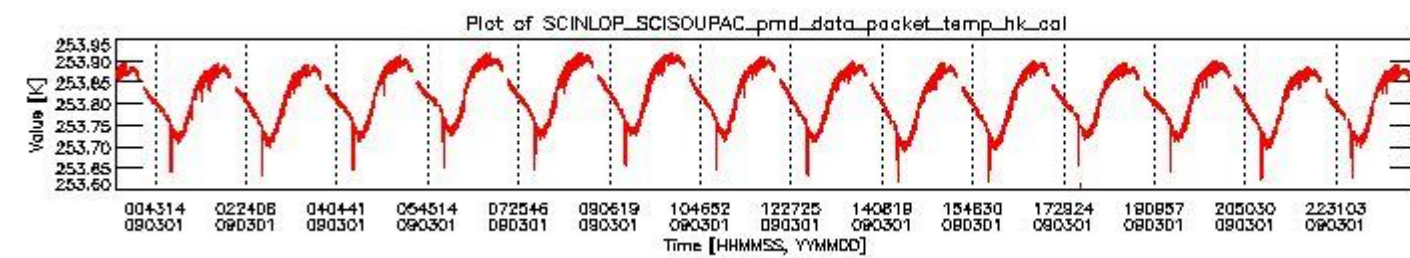
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090301_0.PNG



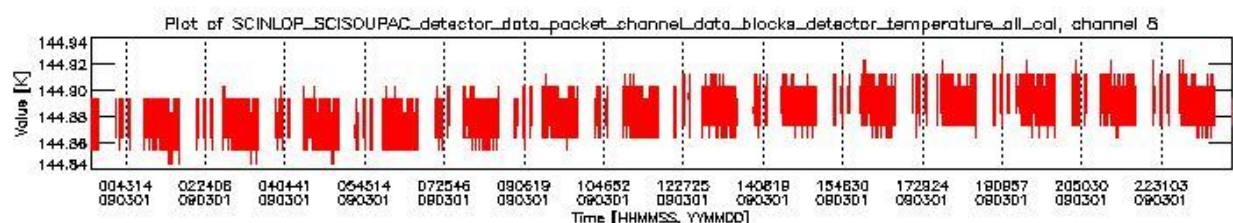
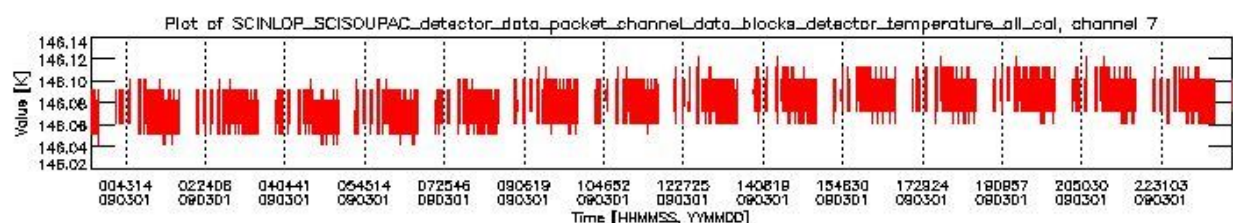
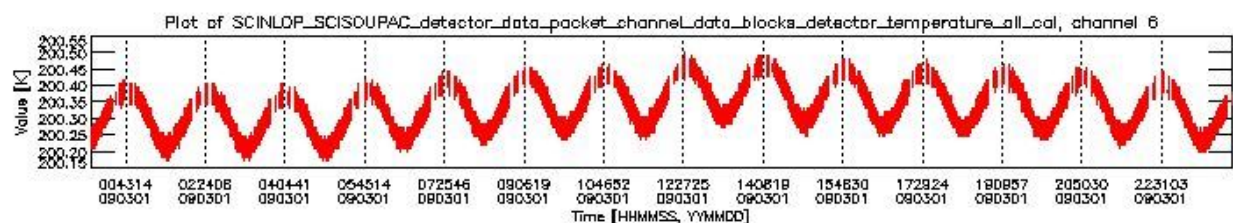
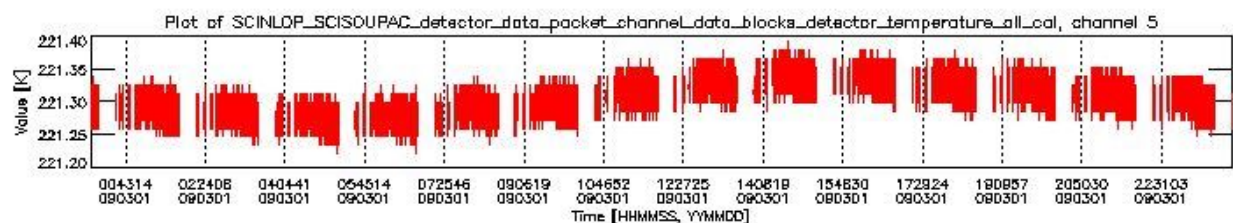
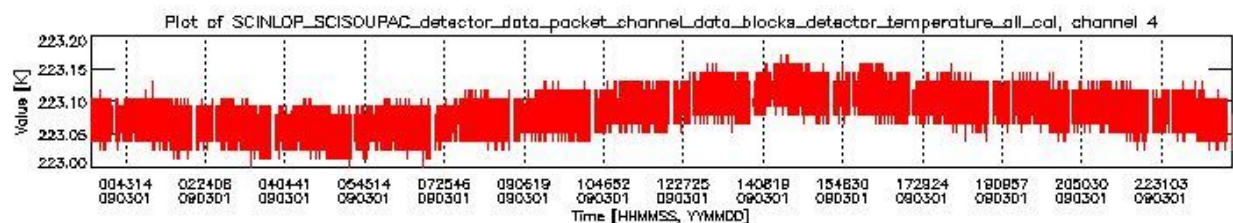
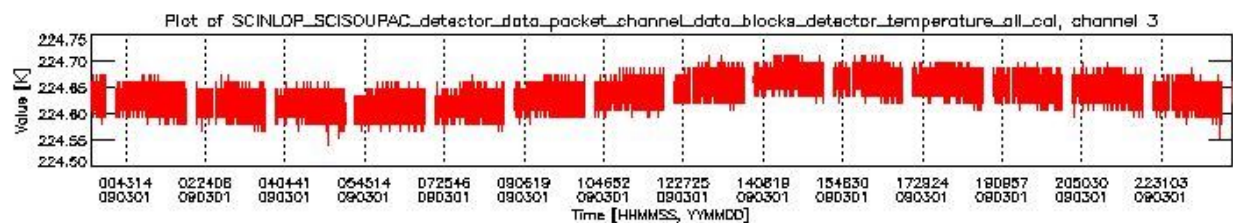
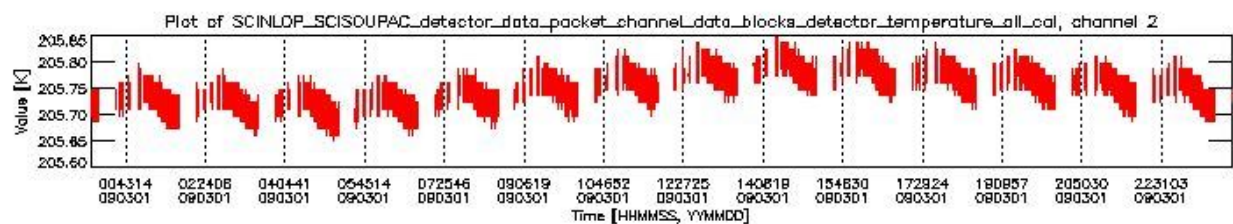
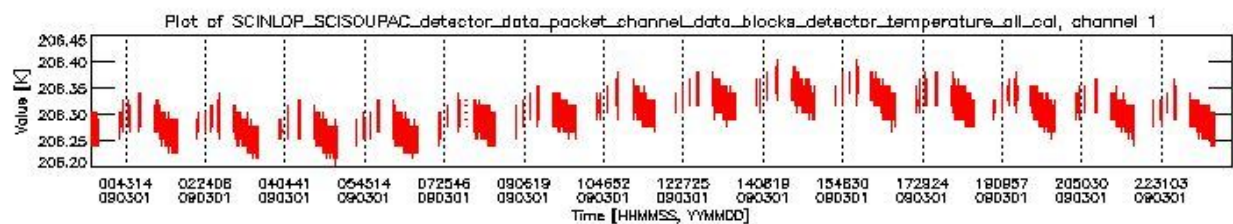
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090301_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090301_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090301_3.PNG

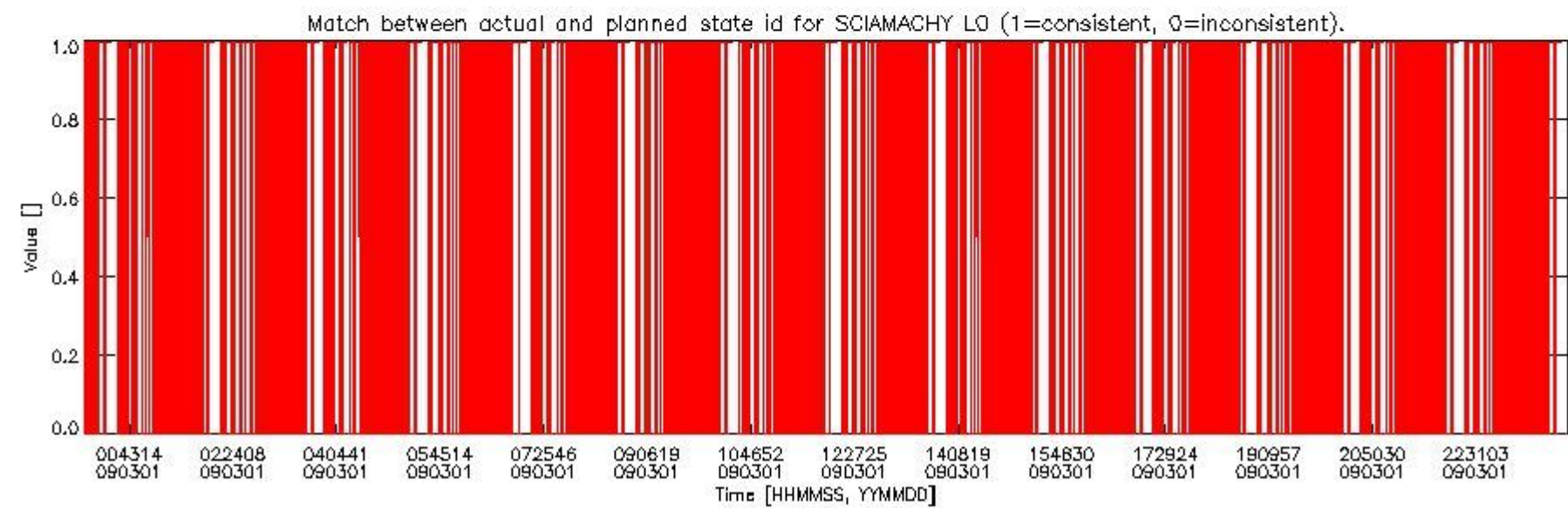
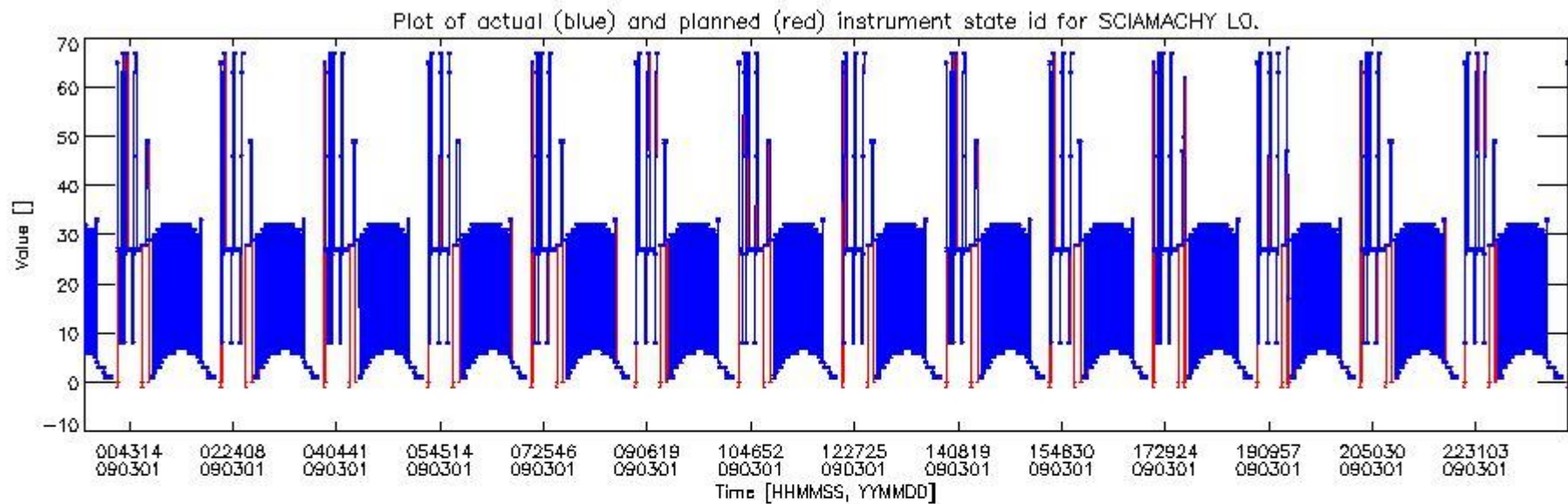


0.3 State monitoring

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: **45771**

#	Actual time	Actual value	Planned time	Planned value
0	01MAR2009 00:00:32.736374	32	01MAR2009 00:00:32.736374	6
1	01MAR2009 00:00:33.361396	32	01MAR2009 00:00:33.361396	6
2	01MAR2009 00:00:33.736409	32	01MAR2009 00:00:33.736409	6
3	01MAR2009 00:00:34.111382	32	01MAR2009 00:00:34.111382	6
4	01MAR2009 00:00:34.673882	32	01MAR2009 00:00:34.673882	6
5	01MAR2009 00:00:35.048895	32	01MAR2009 00:00:35.048895	6
6	01MAR2009 00:00:35.423908	32	01MAR2009 00:00:35.423908	6
7	01MAR2009 00:00:35.798880	32	01MAR2009 00:00:35.798880	6
8	01MAR2009 00:00:36.361380	32	01MAR2009 00:00:36.361380	6
9	01MAR2009 00:00:36.736393	32	01MAR2009 00:00:36.736393	6
10	01MAR2009 00:00:37.111406	32	01MAR2009 00:00:37.111406	6
11	01MAR2009 00:00:37.486379	32	01MAR2009 00:00:37.486379	6
12	01MAR2009 00:00:37.736388	32	01MAR2009 00:00:37.736388	6
13	01MAR2009 00:00:38.048878	32	01MAR2009 00:00:38.048878	6
14	01MAR2009 00:00:38.423891	32	01MAR2009 00:00:38.423891	6
15	01MAR2009 00:00:38.798904	32	01MAR2009 00:00:38.798904	6
16	01MAR2009 00:00:39.173877	32	01MAR2009 00:00:39.173877	6
17	01MAR2009 00:00:39.736377	32	01MAR2009 00:00:39.736377	6
18	01MAR2009 00:00:40.111390	32	01MAR2009 00:00:40.111390	6
19	01MAR2009 00:00:40.486403	32	01MAR2009 00:00:40.486403	6
...

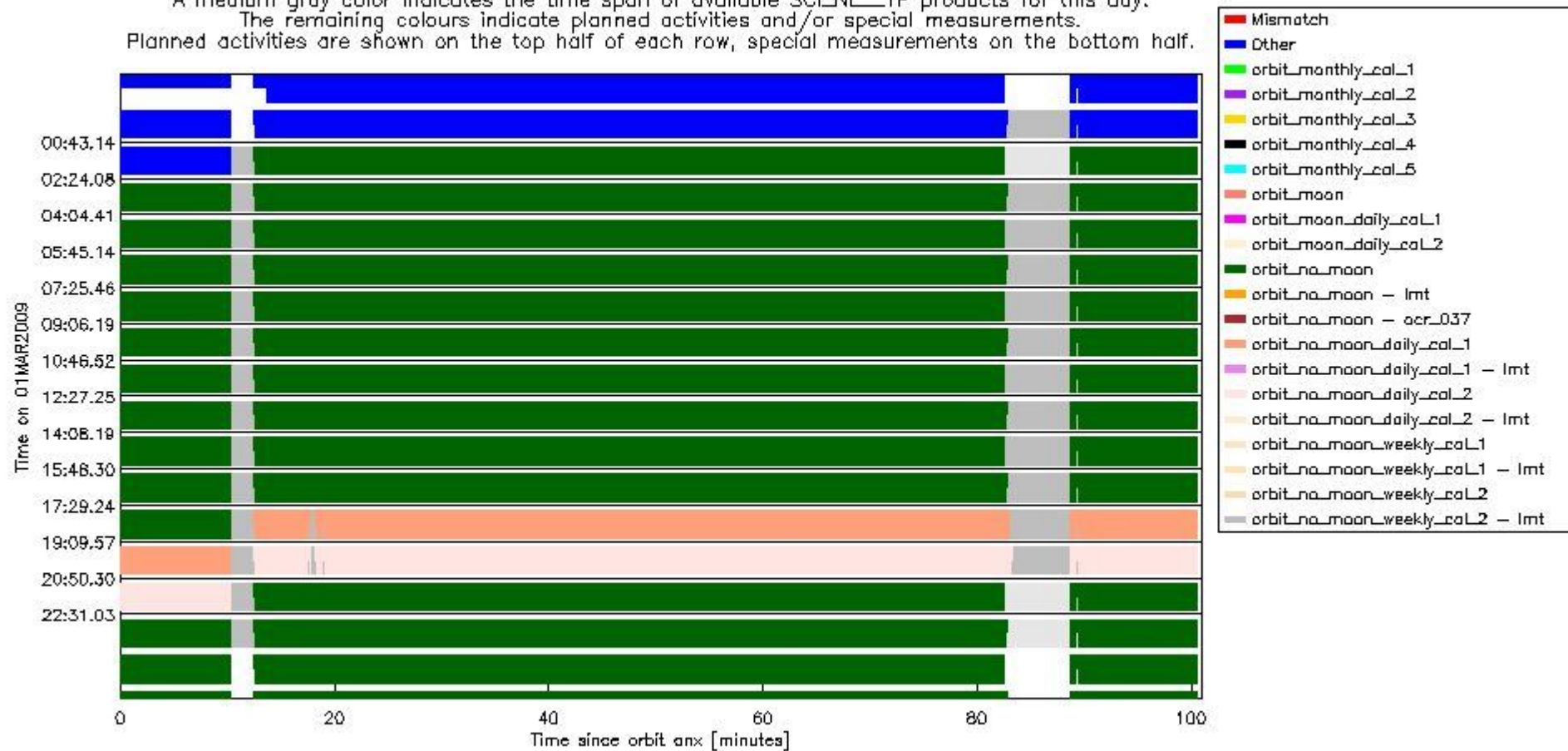


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090301_5.PNG

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 01MAR2009.
 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_20090301_6.PNG

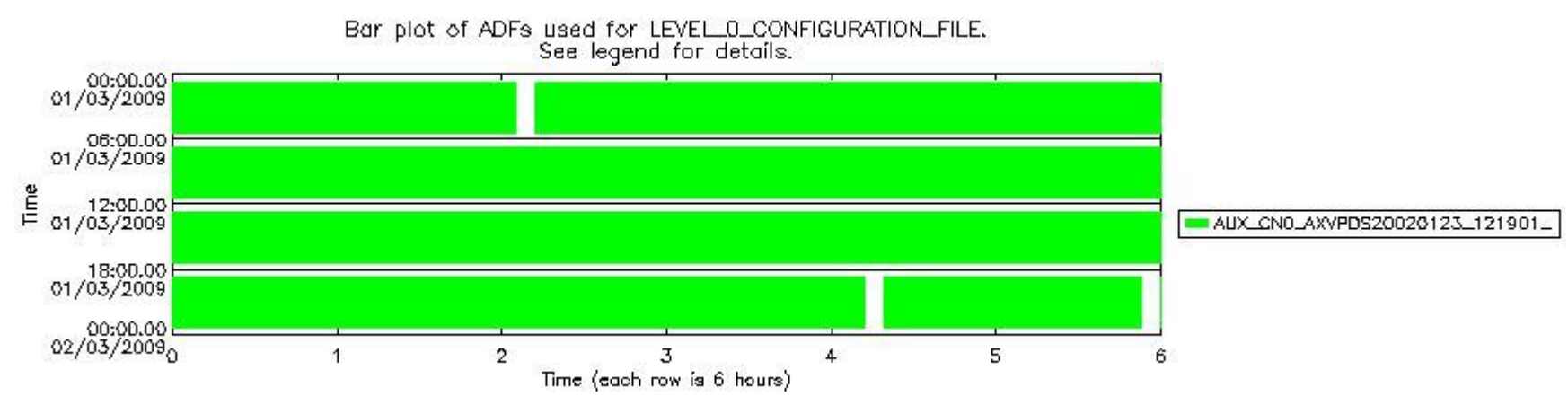
0.4 ADF monitoring

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

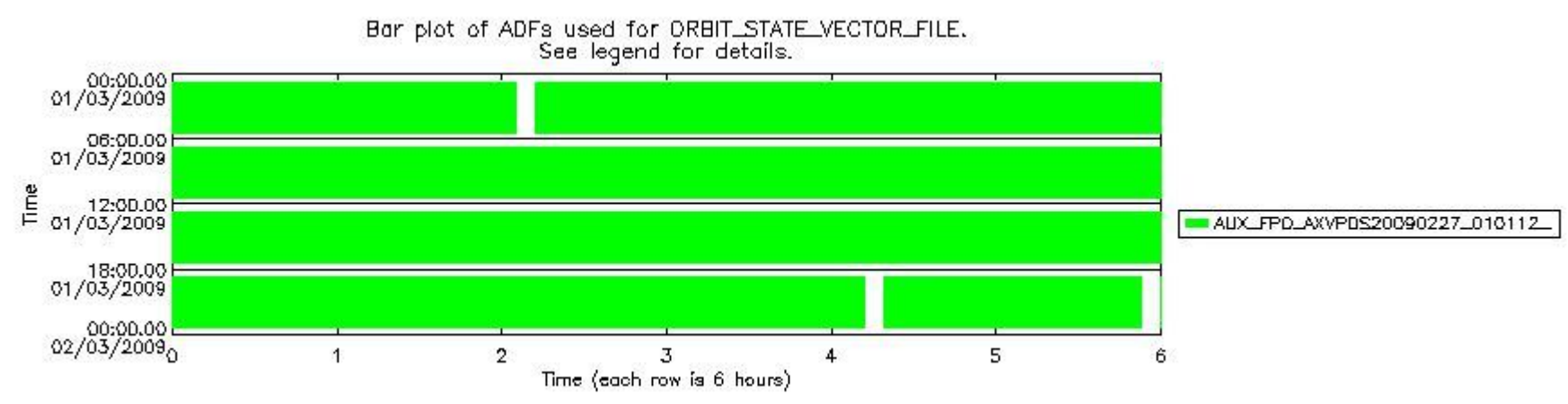
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

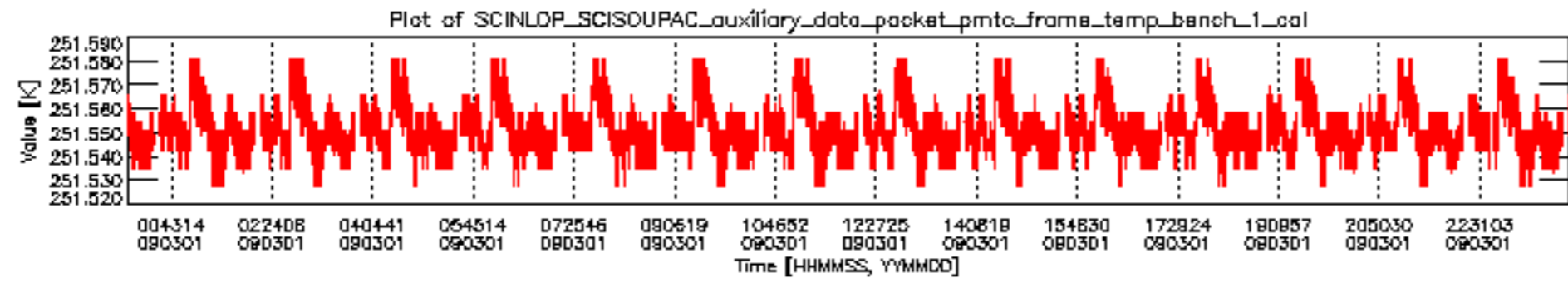
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090227_010112_20090226_190408_20090308_203022

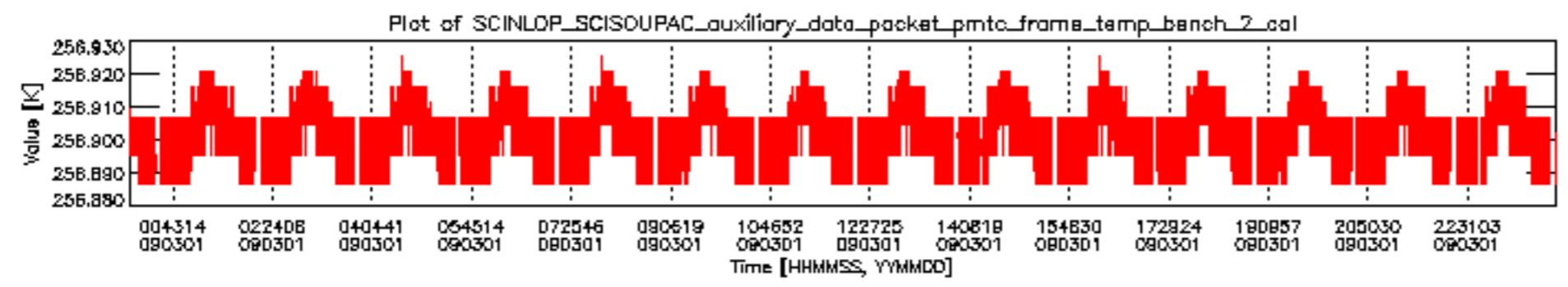


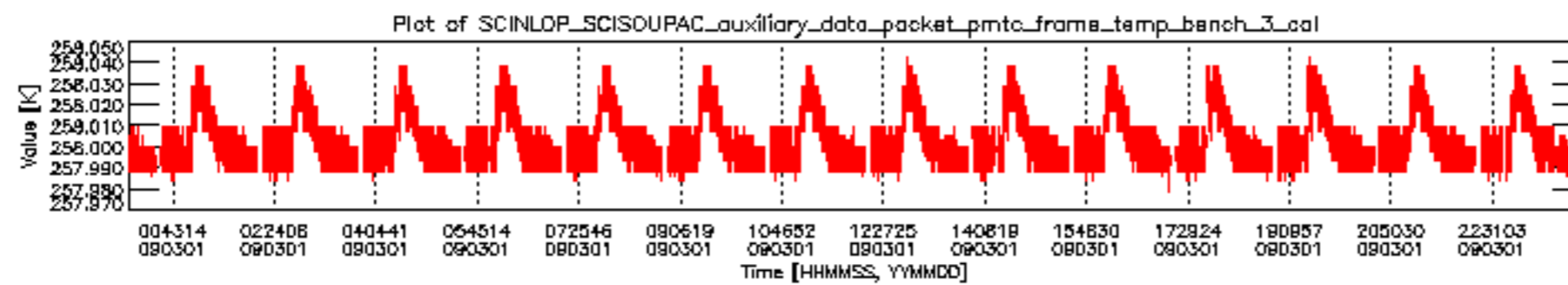
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090301_7.PNG

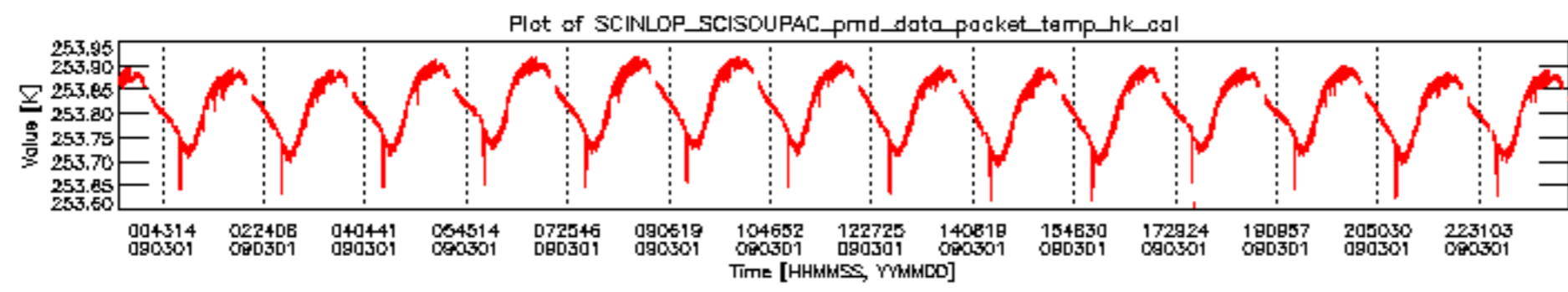


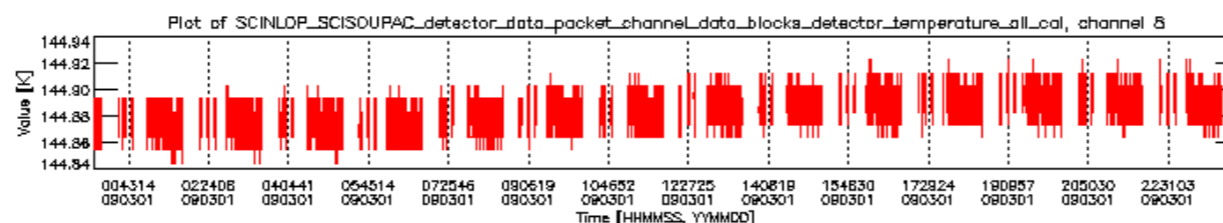
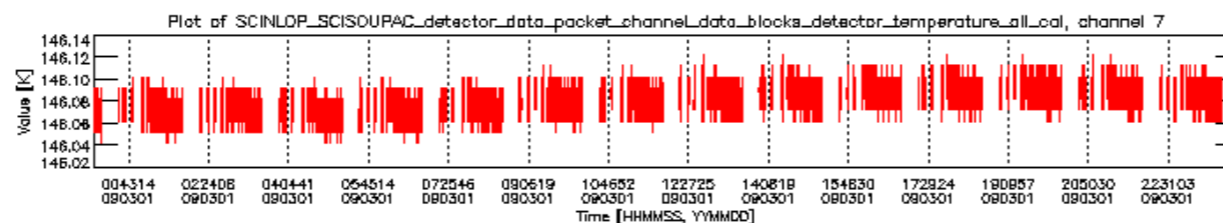
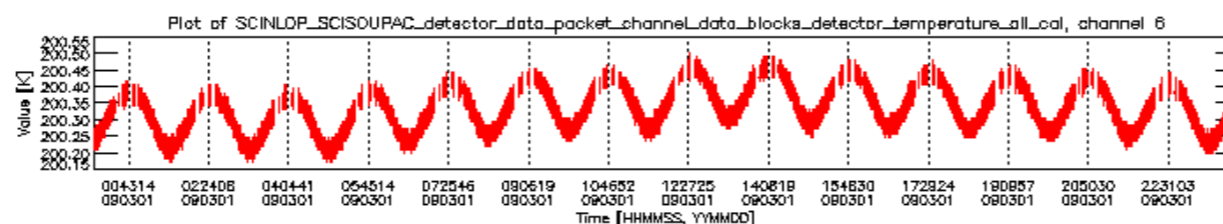
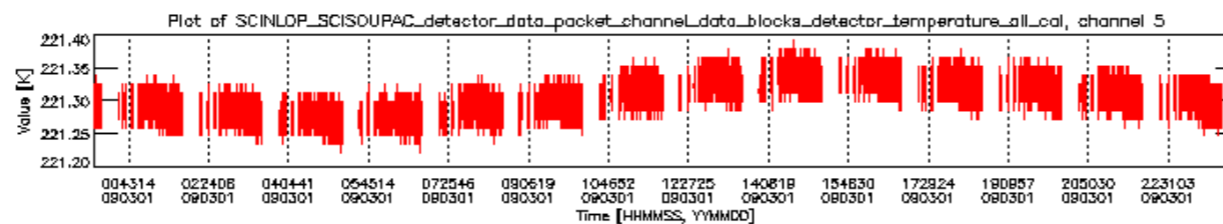
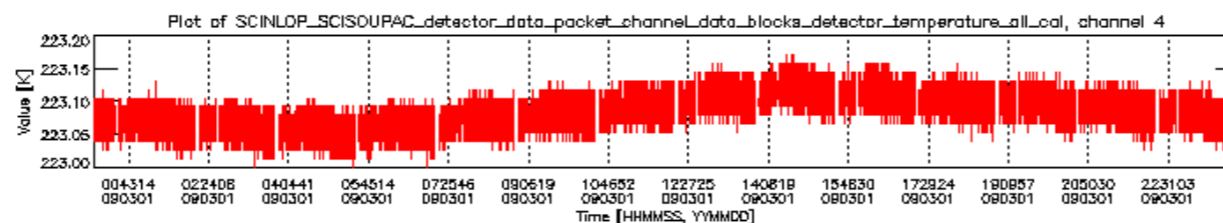
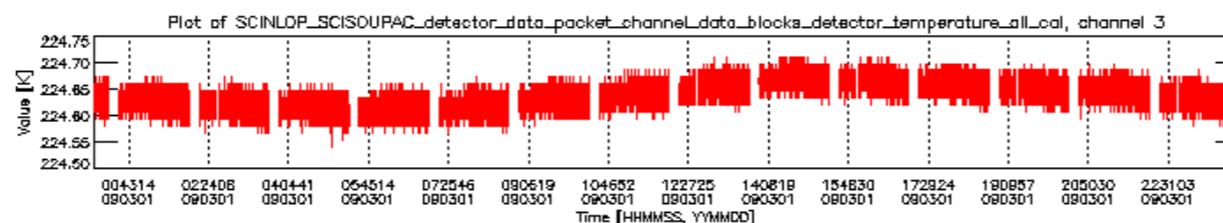
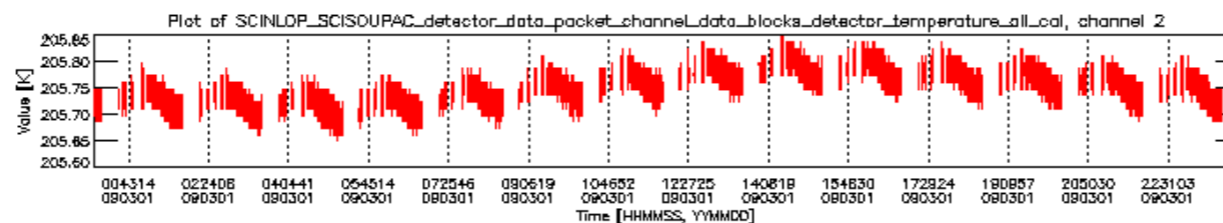
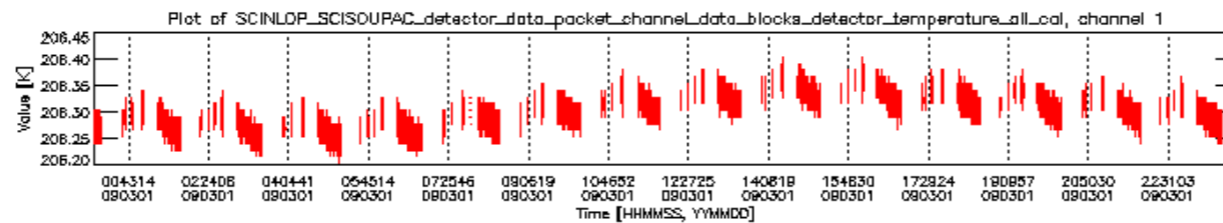
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090301_8.PNG

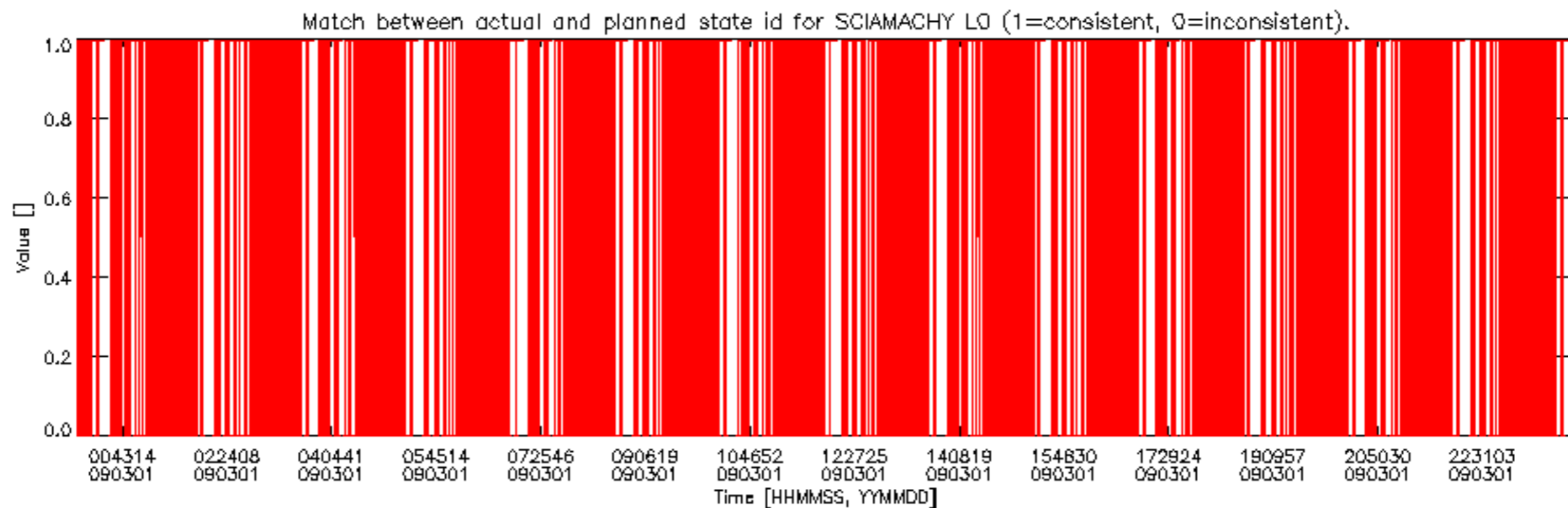
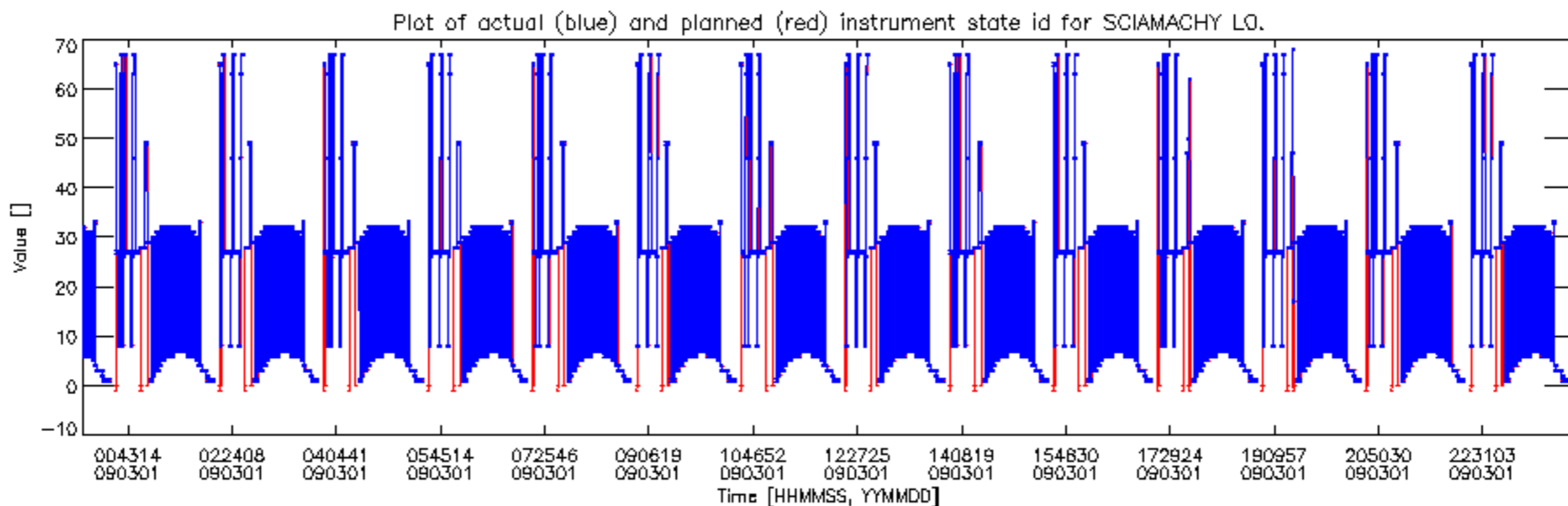












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 01MAR2009.
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