

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	24MAR2009 04:16:04
Data source version	KSPT_L0/4303-N
Processing scope for products	20MAR2009 00:00:00 to 21MAR2009 00:00:00
Start time of first product within scope	19MAR2009 22:53:59
Stop time of last product within scope	21MAR2009 00:04:14
Total number of level 0 products	17
Number of level 0 products with errors	3

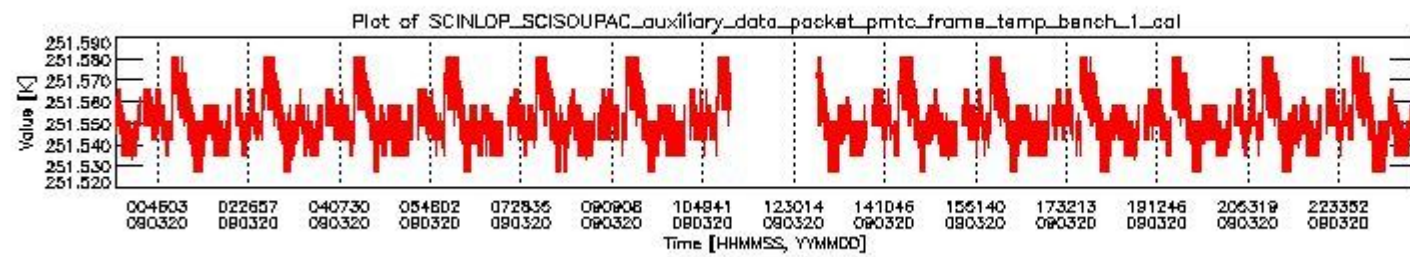
0.1.2 Summary per product

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

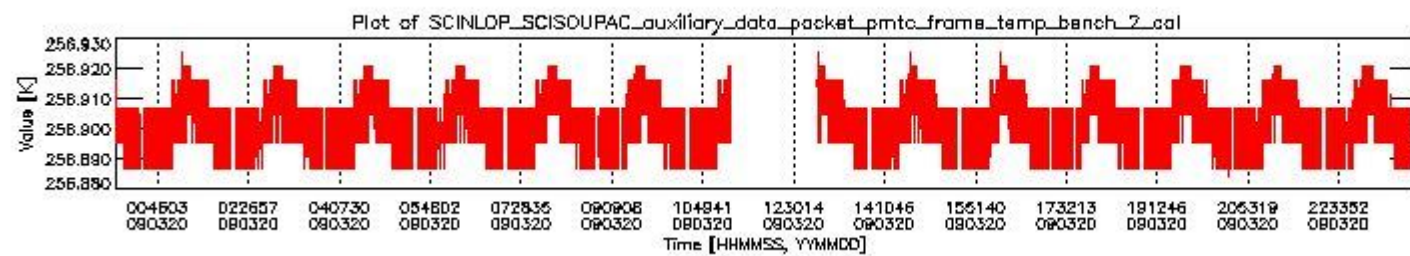
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090319_225359_000061202077_00244_36871_8780.N1	19MAR2009 22:53:59	20MAR2009 00:35:59	0	0	0	0	0
1	SCI_NL__OPNPDE20090320_003442_000054492077_00245_36872_8781.N1	20MAR2009 00:34:42	20MAR2009 02:05:30	0	0	0	0	0
2	SCI_NL__OPNPDE20090320_021221_000044542077_00246_36873_8782.N1	20MAR2009 02:12:21	20MAR2009 03:26:35	0	0	0	0	0
3	SCI_NL__OPNPDE20090320_032527_000062162077_00247_36874_8783.N1	20MAR2009 03:25:27	20MAR2009 05:09:03	0	0	0	0	0
4	SCI_NL__OPNPDE20090320_050807_000060362077_00248_36875_8784.N1	20MAR2009 05:08:07	20MAR2009 06:48:42	0	0	0	0	0
5	SCI_NL__OPNPDK20090320_064746_000041002077_00249_36876_1007.N1	20MAR2009 06:47:46	20MAR2009 07:56:07	0	0	0	0	0
6	SCI_NL__OPNPDK20090320_075458_000061732077_00250_36877_1008.N1	20MAR2009 07:54:58	20MAR2009 09:37:51	0	0	0	0	0
7	SCI_NL__OPNPDK20090320_093751_000060232077_00251_36878_1009.N1	20MAR2009 09:37:51	20MAR2009 11:18:14	0	0	0	0	0
8	SCI_NL__OPNPDK20090320_111718_000001802077_00252_36879_1010.N1	20MAR2009 11:17:18	20MAR2009 11:20:18	0	0	0	0	0
9	SCI_NL__OPNPDK20090320_112018_000057992077_00252_36879_1011.N1	20MAR2009 11:20:18	20MAR2009 12:56:57	1	1	0	0	0
10	SCI_NL__OPNPDK20090320_125549_000059672077_00253_36880_1012.N1	20MAR2009 12:55:49	20MAR2009 14:35:16	1	1	0	0	0
11	SCI_NL__OPNPDK20090320_143311_000057992077_00254_36881_1013.N1	20MAR2009 14:33:11	20MAR2009 16:09:50	1	1	1	0	0
12	SCI_NL__OPNPDK20090320_160759_000061712077_00255_36882_1014.N1	20MAR2009 16:07:59	20MAR2009 17:50:50	0	0	0	0	0
13	SCI_NL__OPNPDK20090320_174858_000060362077_00256_36883_1015.N1	20MAR2009 17:48:58	20MAR2009 19:29:34	0	0	0	0	0
14	SCI_NL__OPNPDK20090320_192814_000059532077_00257_36884_1016.N1	20MAR2009 19:28:14	20MAR2009 21:07:27	0	0	0	0	0
15	SCI_NL__OPNPDE20090320_210727_000044862077_00258_36885_8785.N1	20MAR2009 21:07:27	20MAR2009 22:22:13	0	0	0	0	0
16	SCI_NL__OPNPDE20090320_222053_000062012077_00258_36885_8786.N1	20MAR2009 22:20:53	21MAR2009 00:04:14	0	0	0	0	0

0.2 Product Quality Indicators

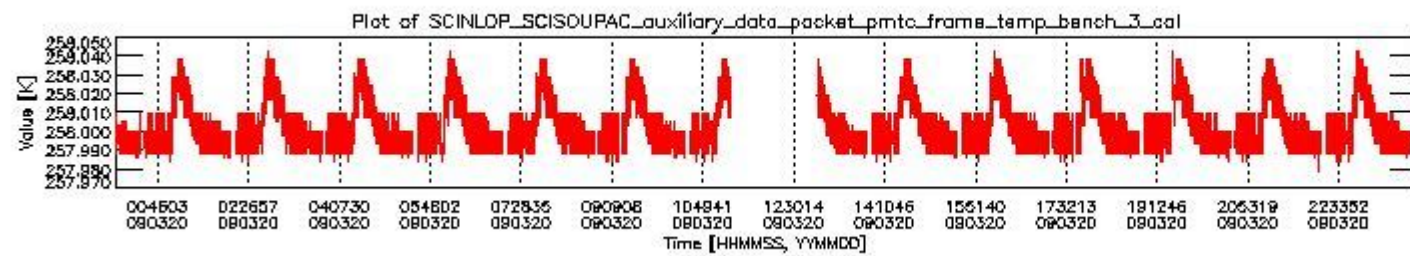
This section shows information about product quality, currently temperatures.



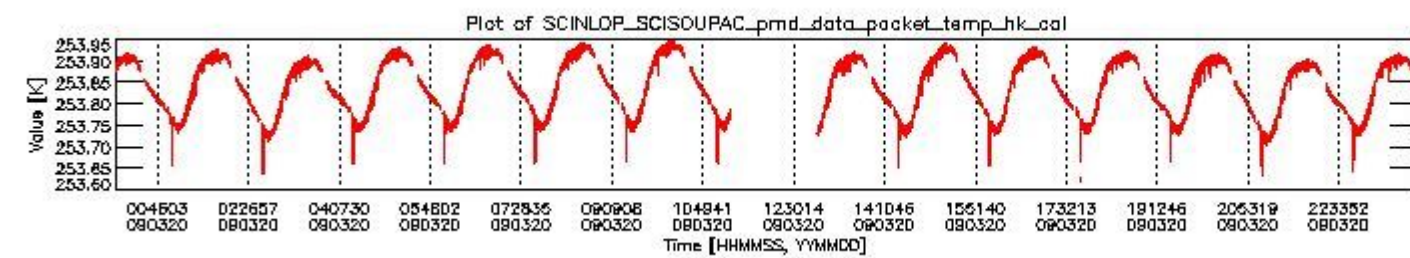
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090320_0.PNG



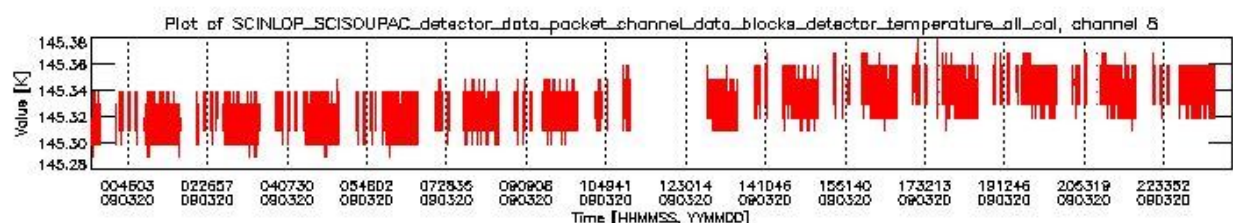
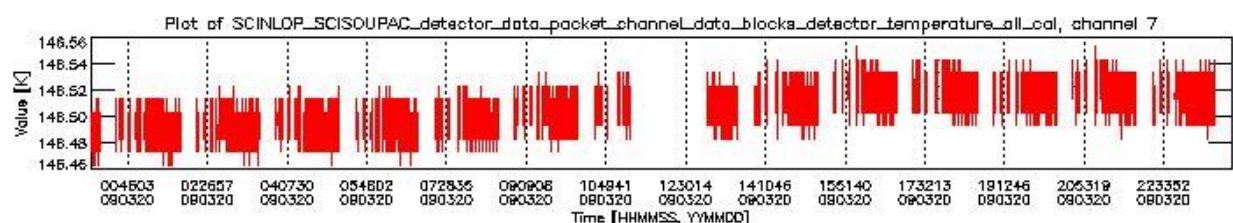
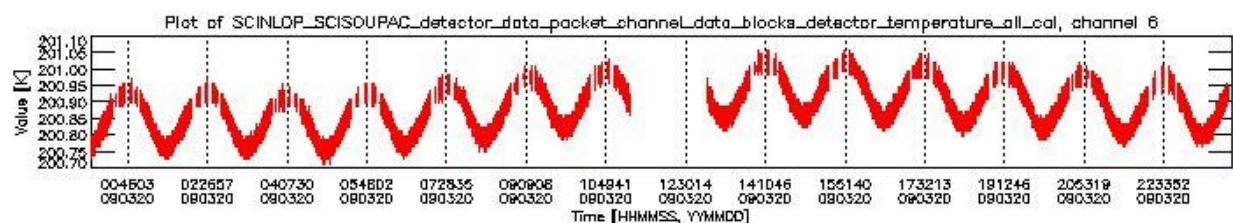
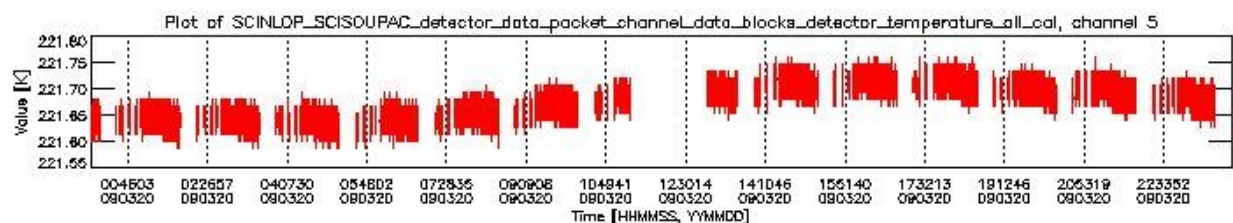
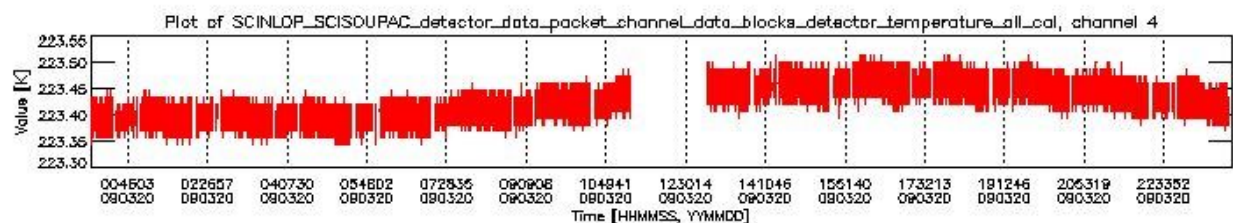
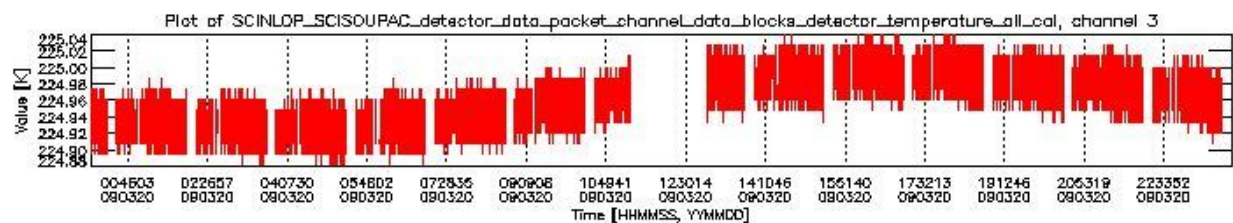
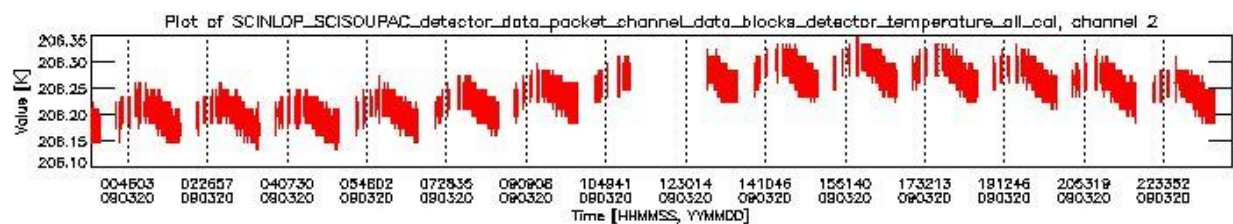
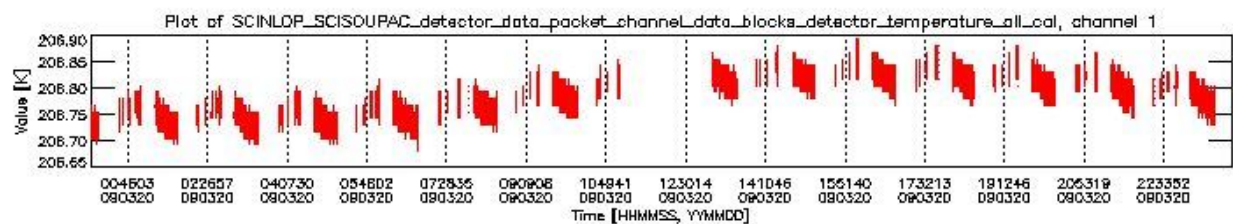
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20090320_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090320_3.PNG

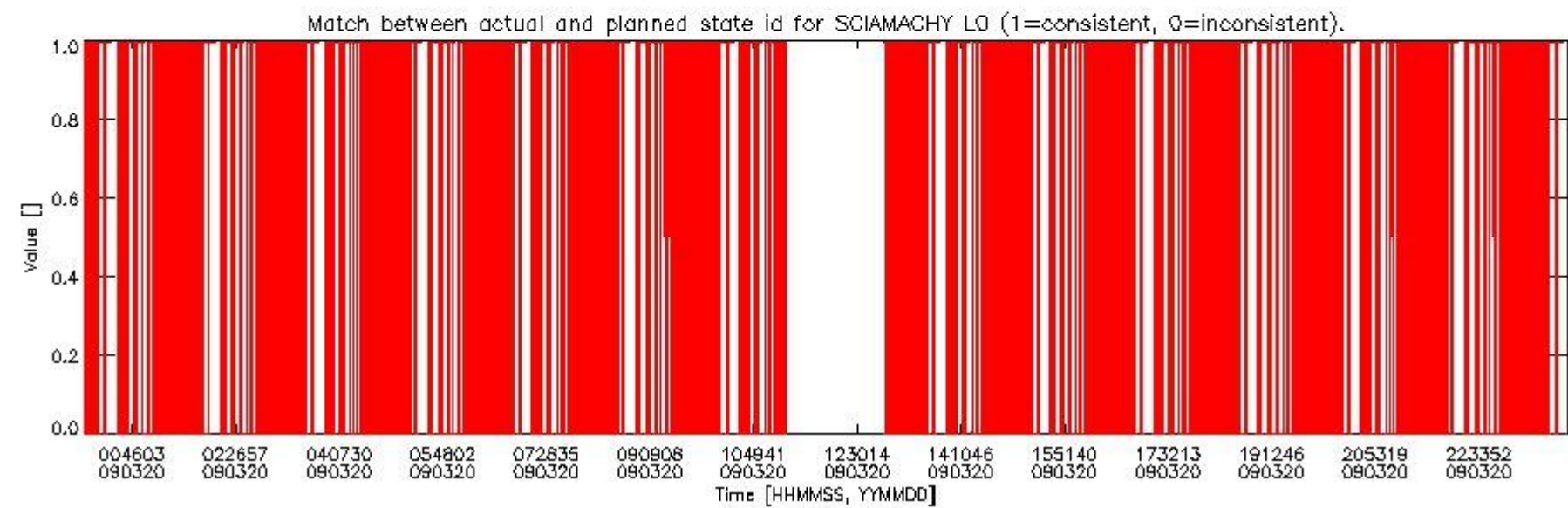
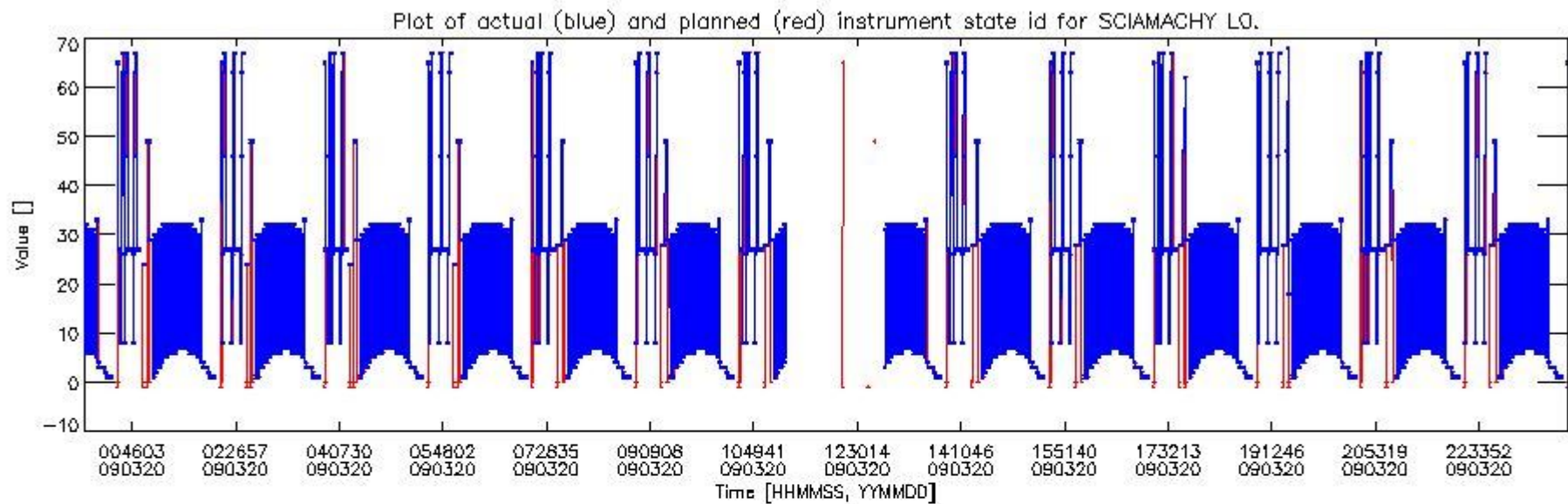


0.3 State monitoring

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: **47055**

#	Actual time	Actual value	Planned time	Planned value
0	20MAR2009 00:00:07.492778	6	20MAR2009 00:00:07.492778	32
1	20MAR2009 00:00:07.867791	6	20MAR2009 00:00:07.867791	32
2	20MAR2009 00:00:08.117799	6	20MAR2009 00:00:08.117799	32
3	20MAR2009 00:00:08.367808	6	20MAR2009 00:00:08.367808	32
4	20MAR2009 00:00:08.617817	6	20MAR2009 00:00:08.617817	32
5	20MAR2009 00:00:08.867785	6	20MAR2009 00:00:08.867785	32
6	20MAR2009 00:00:09.117794	6	20MAR2009 00:00:09.117794	32
7	20MAR2009 00:00:09.367803	6	20MAR2009 00:00:09.367803	32
8	20MAR2009 00:00:09.617811	6	20MAR2009 00:00:09.617811	32
9	20MAR2009 00:00:09.867780	6	20MAR2009 00:00:09.867780	32
10	20MAR2009 00:00:10.117789	6	20MAR2009 00:00:10.117789	32
11	20MAR2009 00:00:10.367797	6	20MAR2009 00:00:10.367797	32
12	20MAR2009 00:00:10.617806	6	20MAR2009 00:00:10.617806	32
13	20MAR2009 00:00:10.867815	6	20MAR2009 00:00:10.867815	32
14	20MAR2009 00:00:11.117783	6	20MAR2009 00:00:11.117783	32
15	20MAR2009 00:00:11.367792	6	20MAR2009 00:00:11.367792	32
16	20MAR2009 00:00:11.617801	6	20MAR2009 00:00:11.617801	32
17	20MAR2009 00:00:11.867809	6	20MAR2009 00:00:11.867809	32
18	20MAR2009 00:00:12.117778	6	20MAR2009 00:00:12.117778	32
19	20MAR2009 00:00:12.367786	6	20MAR2009 00:00:12.367786	32

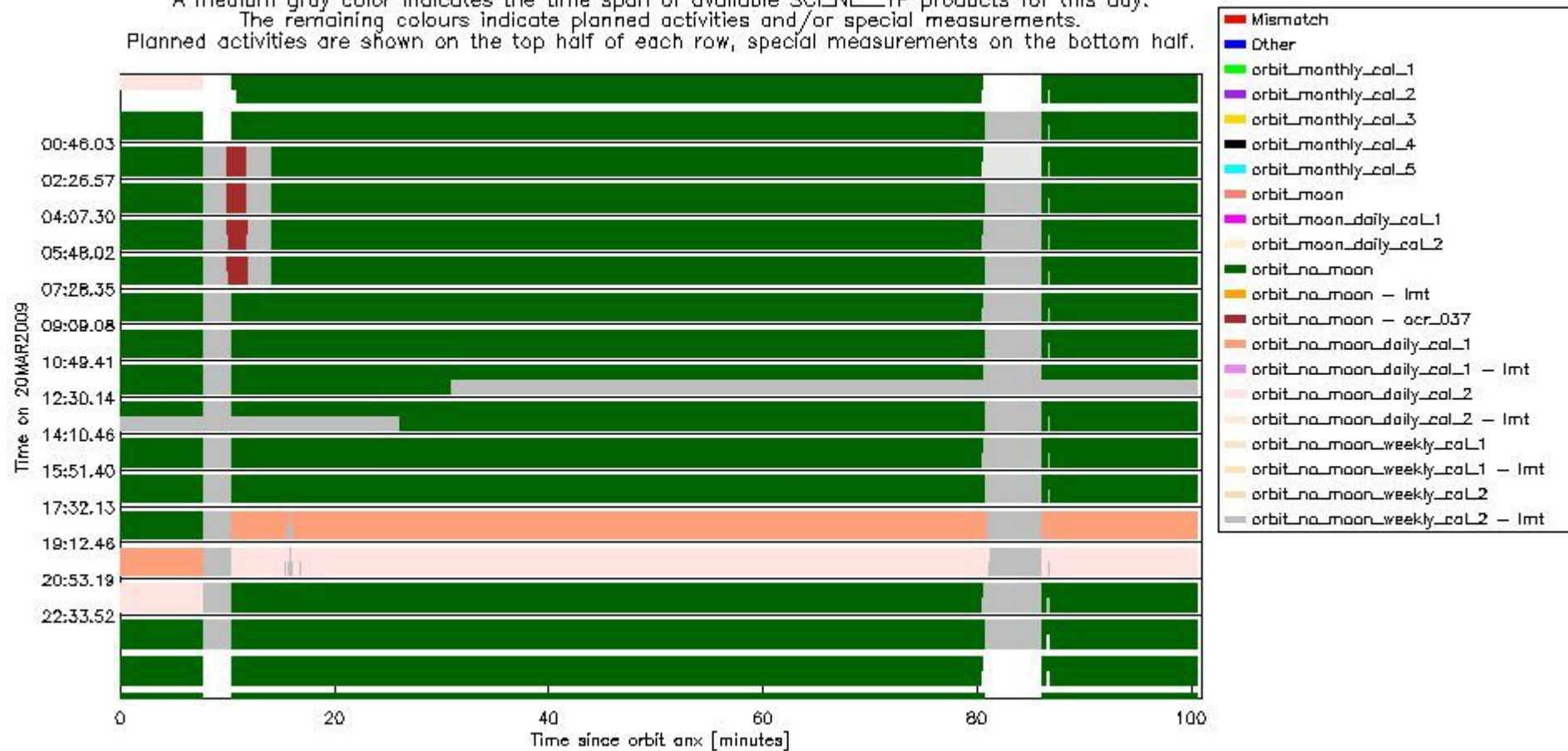


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090320_5.PNG

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 20MAR2009.
 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_20090320_6.PNG

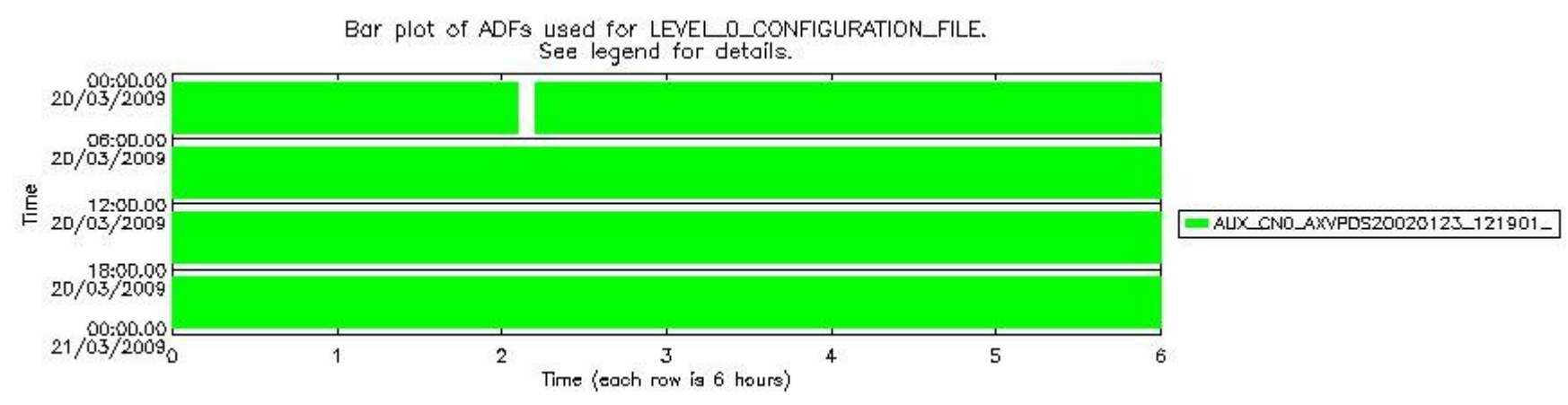
0.4 ADF monitoring

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

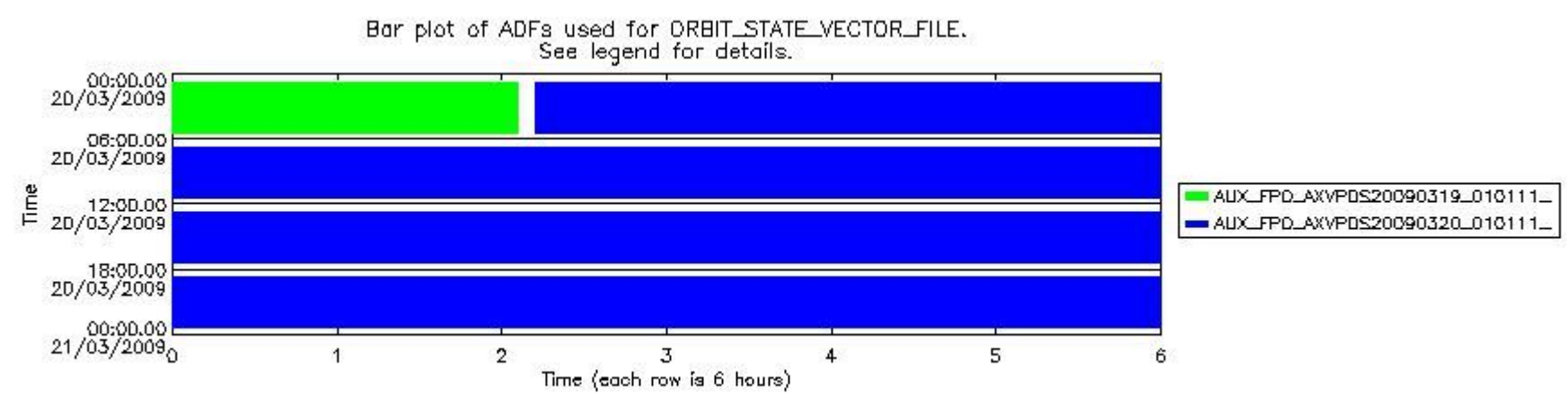
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

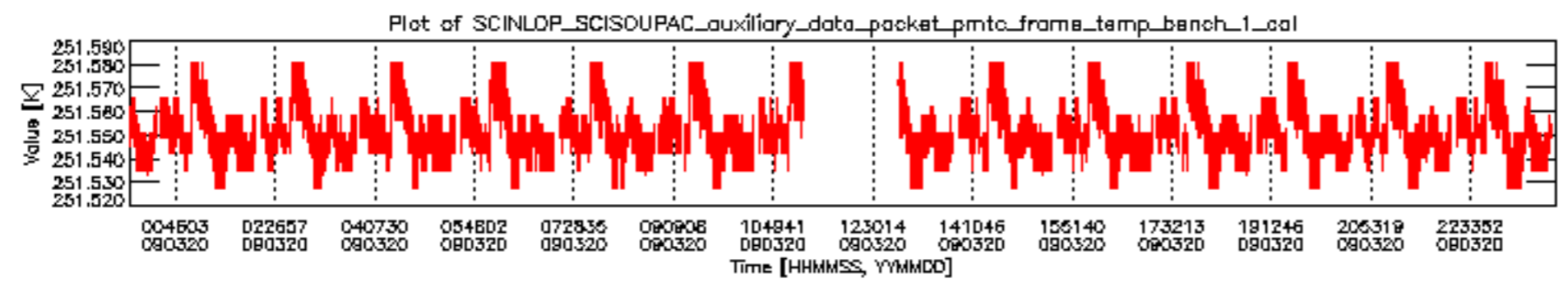
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090319_010111_20090318_183523_20090328_200135
2	AUX_FPO_AXVPDS20090320_010111_20090319_194422_20090329_211034

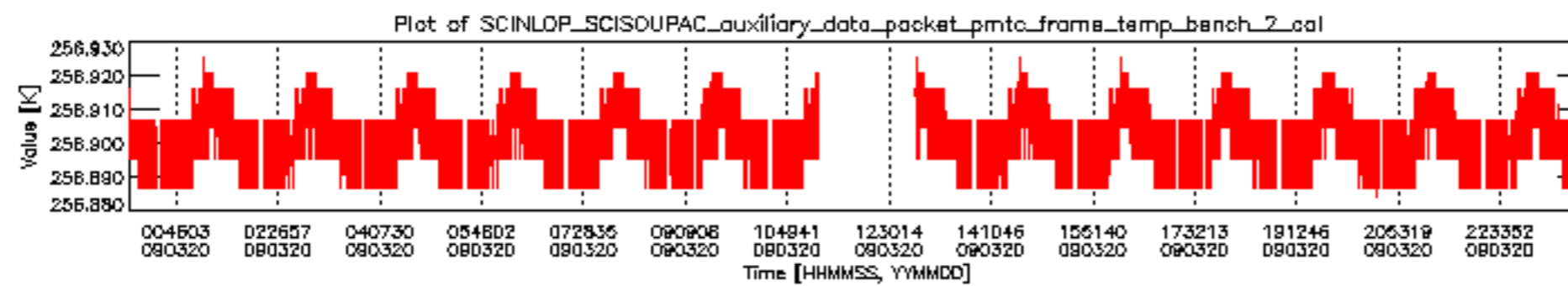


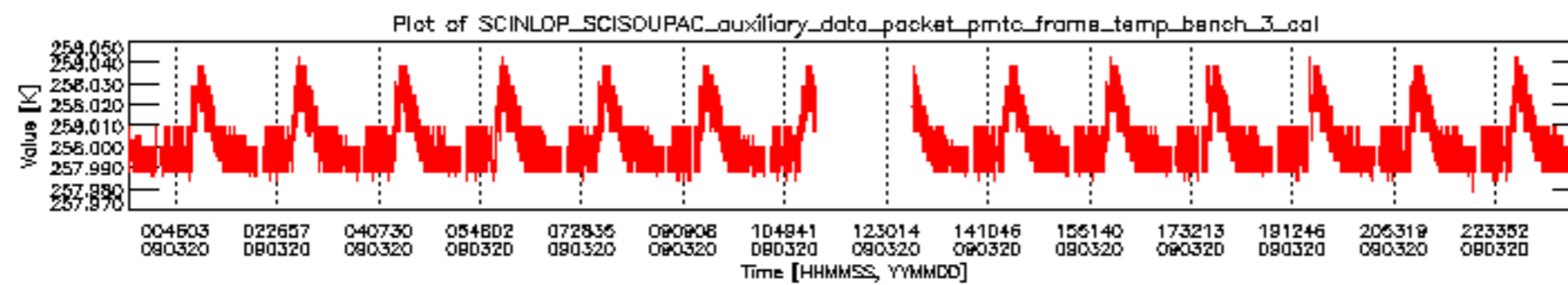
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090320_7.PNG

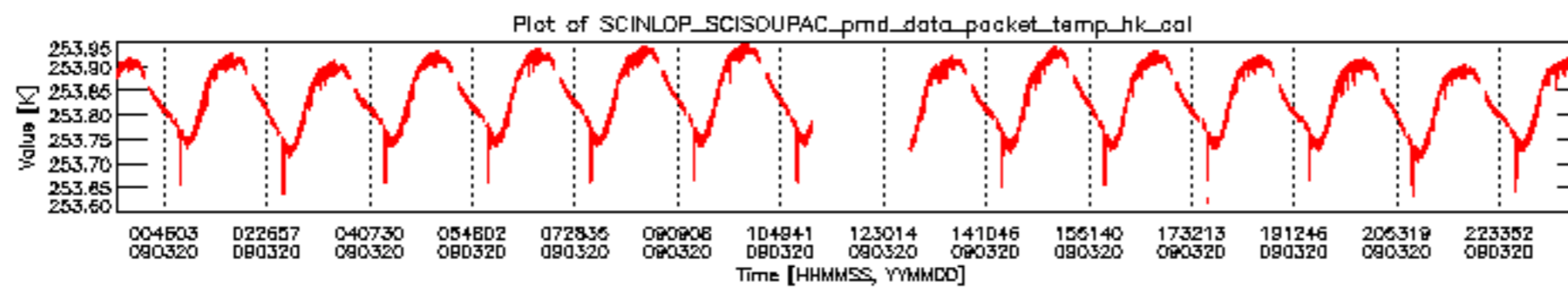


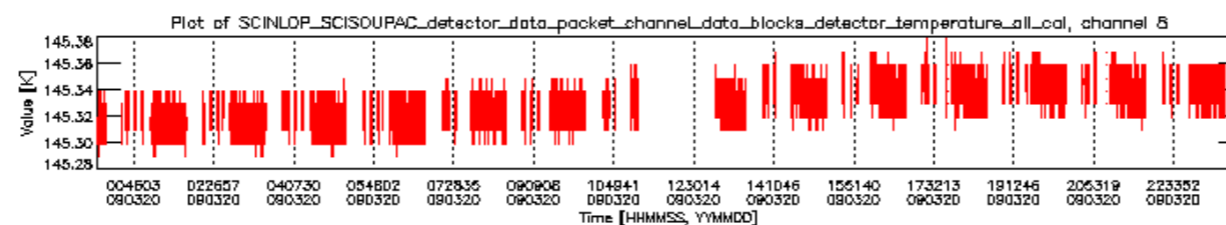
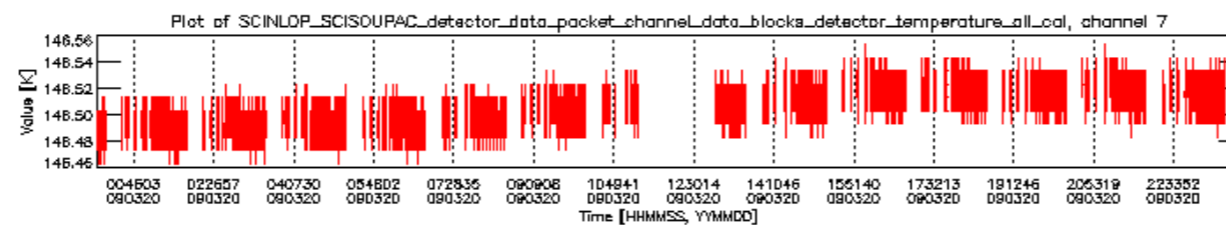
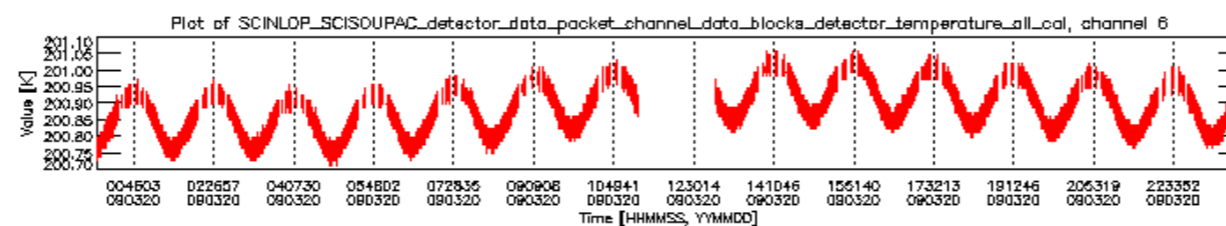
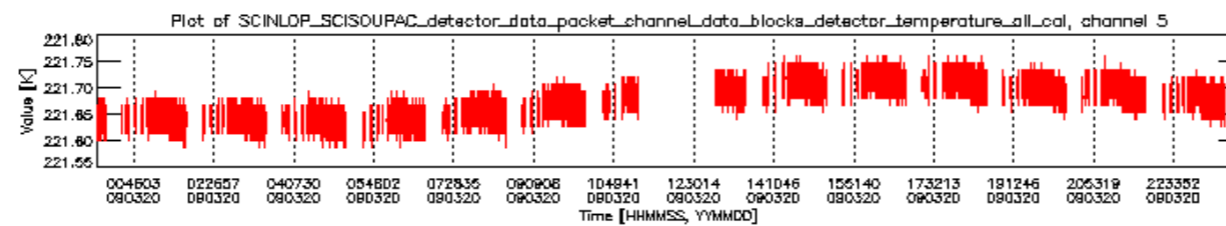
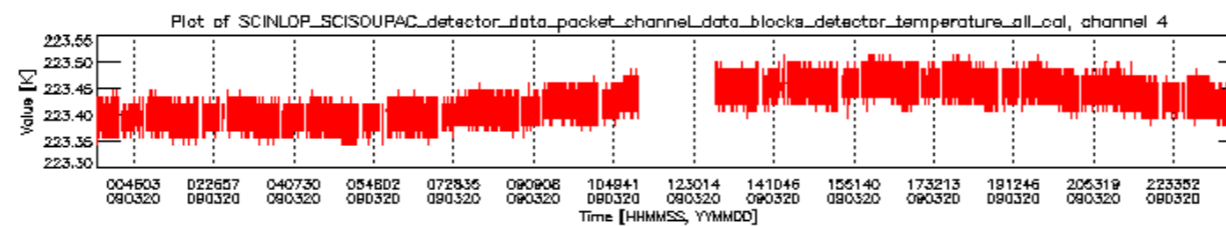
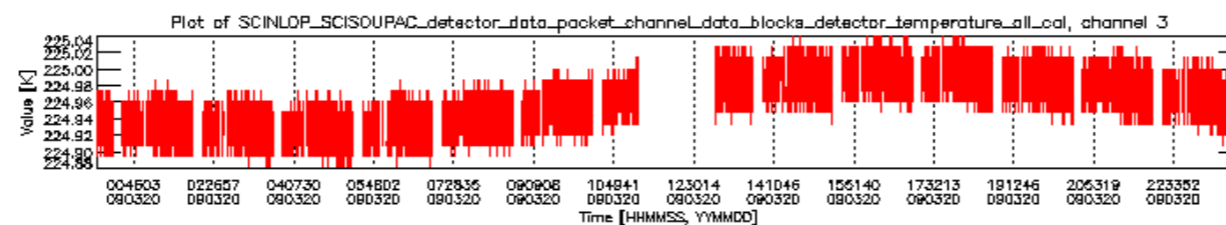
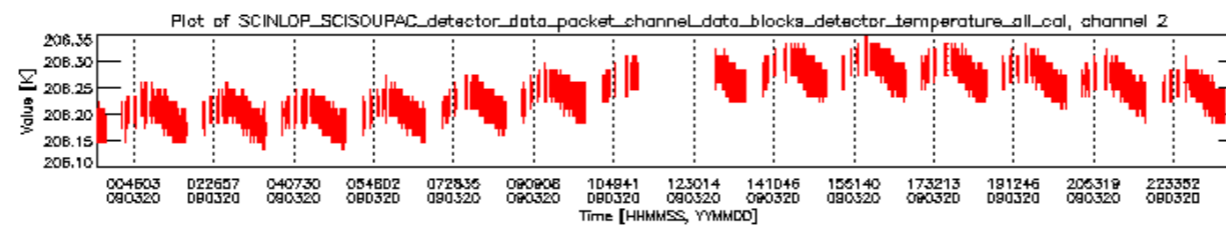
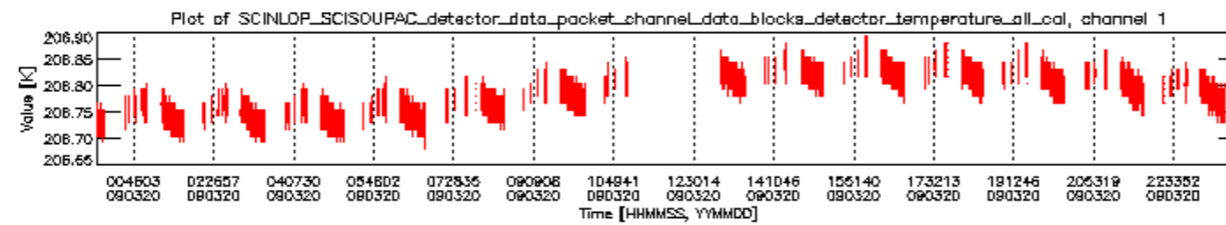
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090320_8.PNG

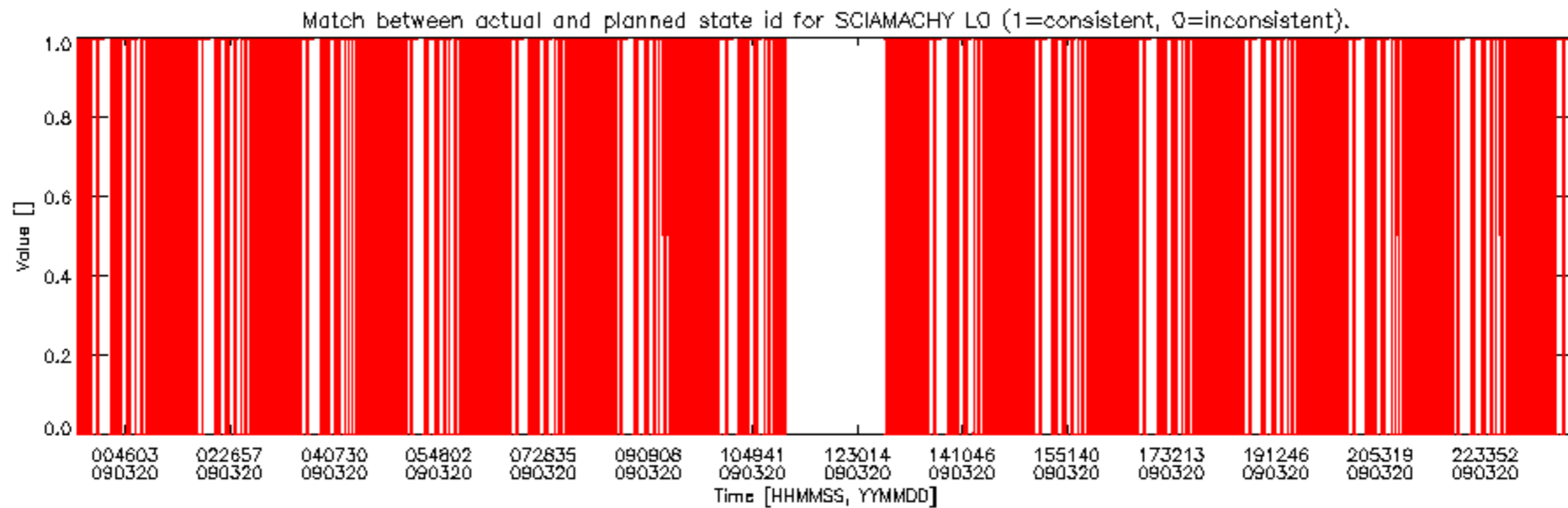
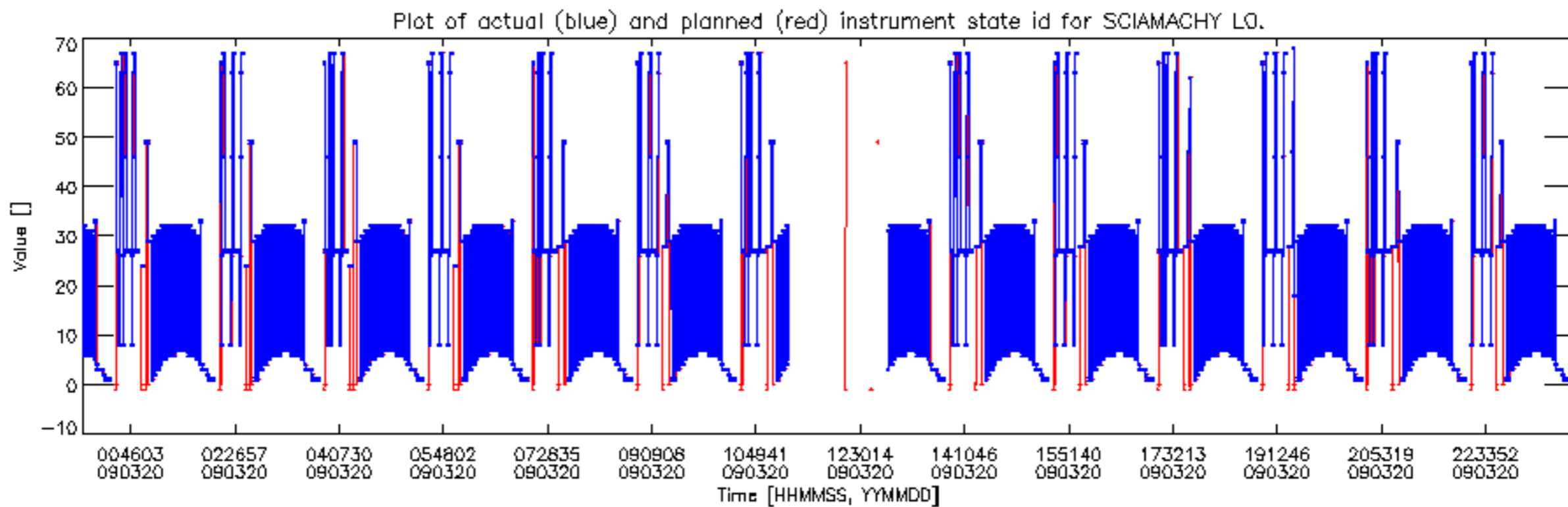












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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