

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	17APR2009 04:35:37
Data source version	KSPT_L0/4303-N
Processing scope for products	13APR2009 00:00:00 to 14APR2009 00:00:00
Start time of first product within scope	12APR2009 23:38:57
Stop time of last product within scope	14APR2009 00:49:56
Total number of level 0 products	16
Number of level 0 products with errors	0

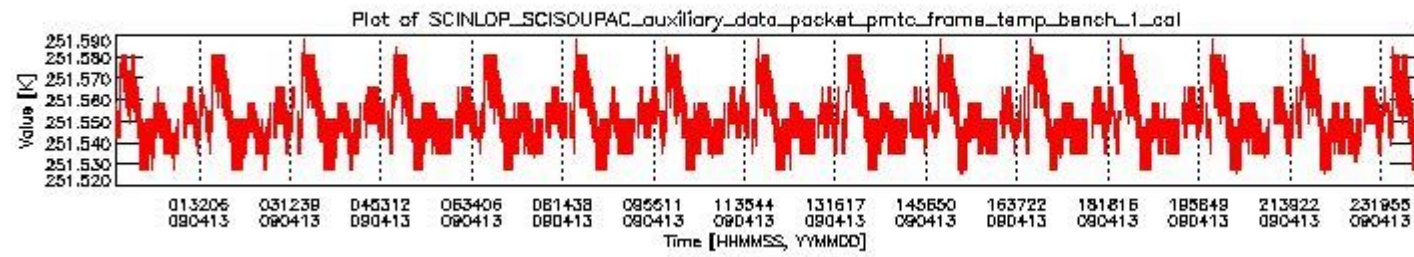
0.1.2 Summary per product

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

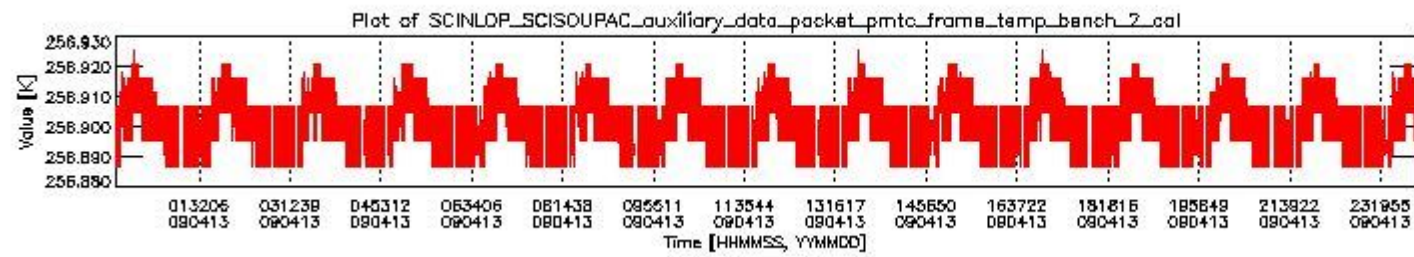
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090412_233857_000060312078_00087_37215_8937.N1	12APR2009 23:38:57	13APR2009 01:19:27	0	0	0	0	0
1	SCI_NL__OPNPDE20090413_011843_000046782078_00088_37216_8938.N1	13APR2009 01:18:43	13APR2009 02:36:41	0	0	0	0	0
2	SCI_NL__OPNPDE20090413_023545_000058982078_00089_37217_8939.N1	13APR2009 02:35:45	13APR2009 04:14:04	0	0	0	0	0
3	SCI_NL__OPNPDE20090413_041308_000060362078_00090_37218_8940.N1	13APR2009 04:13:08	13APR2009 05:53:44	0	0	0	0	0
4	SCI_NL__OPNPDK20090413_055248_000042252078_00091_37219_1255.N1	13APR2009 05:52:48	13APR2009 07:03:13	0	0	0	0	0
5	SCI_NL__OPNPDK20090413_070204_000061042078_00092_37220_1256.N1	13APR2009 07:02:04	13APR2009 08:43:48	0	0	0	0	0
6	SCI_NL__OPNPDK20090413_084252_000060912078_00093_37221_1257.N1	13APR2009 08:42:52	13APR2009 10:24:24	0	0	0	0	0
7	SCI_NL__OPNPDK20090413_102315_000059802078_00094_37222_1258.N1	13APR2009 10:23:15	13APR2009 12:02:55	0	0	0	0	0
8	SCI_NL__OPNPDK20090413_120255_000059112078_00095_37223_1259.N1	13APR2009 12:02:55	13APR2009 13:41:26	0	0	0	0	0
9	SCI_NL__OPNPDK20090413_134017_000059242078_00096_37224_1260.N1	13APR2009 13:40:17	13APR2009 15:19:01	0	0	0	0	0
10	SCI_NL__OPNPDK20090413_151657_000059672078_00097_37225_1261.N1	13APR2009 15:16:57	13APR2009 16:56:24	0	0	0	0	0
11	SCI_NL__OPNPDK20090413_165515_000059432078_00098_37226_1262.N1	13APR2009 16:55:15	13APR2009 18:34:18	0	0	0	0	0
12	SCI_NL__OPNPDK20090413_183323_000060362078_00099_37227_1263.N1	13APR2009 18:33:23	13APR2009 20:13:58	0	0	0	0	0
13	SCI_NL__OPNPDE20090413_201302_000042832078_00100_37228_8941.N1	13APR2009 20:13:02	13APR2009 21:24:25	0	0	0	0	0
14	SCI_NL__OPNPDE20090413_212352_000063282078_00100_37228_8942.N1	13APR2009 21:23:52	13APR2009 23:09:20	0	0	0	0	0
15	SCI_NL__OPNPDE20090413_230713_000061632078_00101_37229_8943.N1	13APR2009 23:07:13	14APR2009 00:49:56	0	0	0	0	0

0.2 Product Quality Indicators

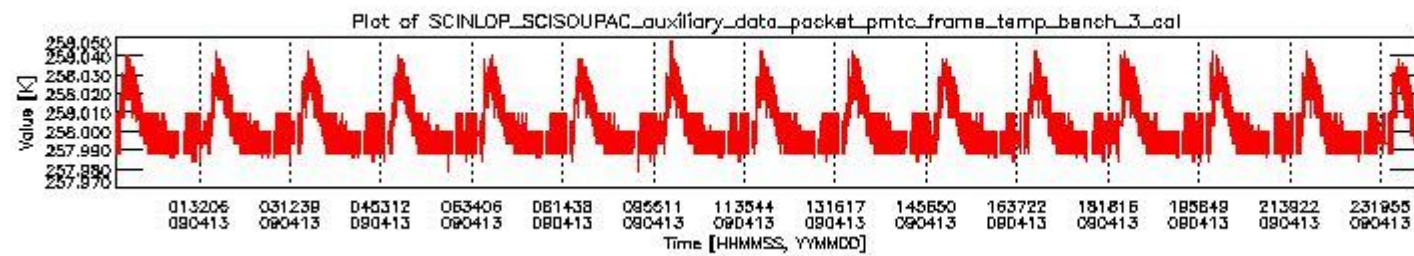
This section shows information about product quality, currently temperatures.



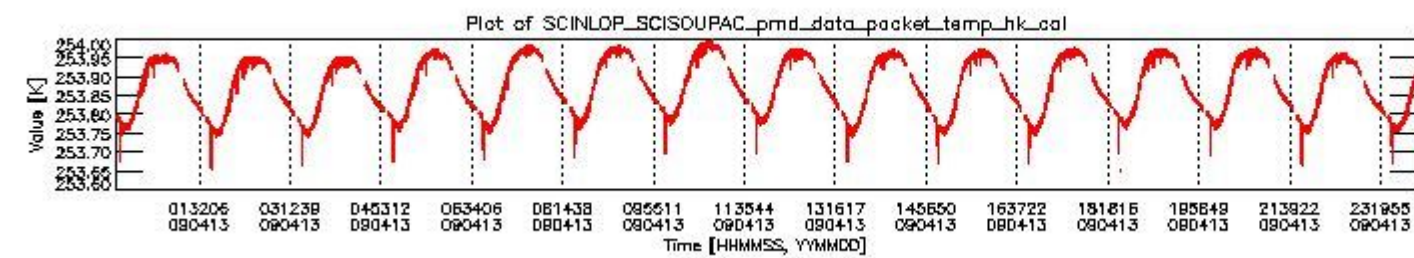
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090413_0.PNG



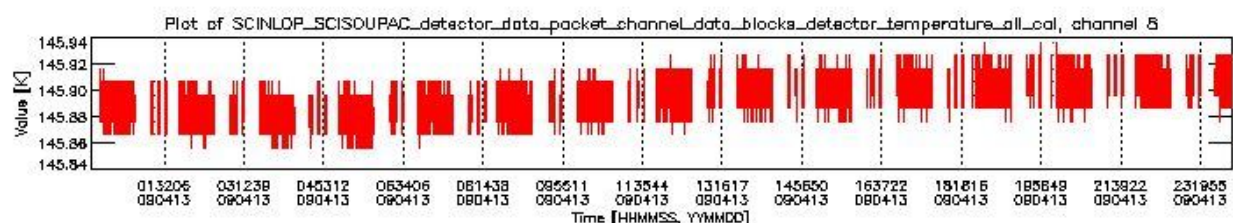
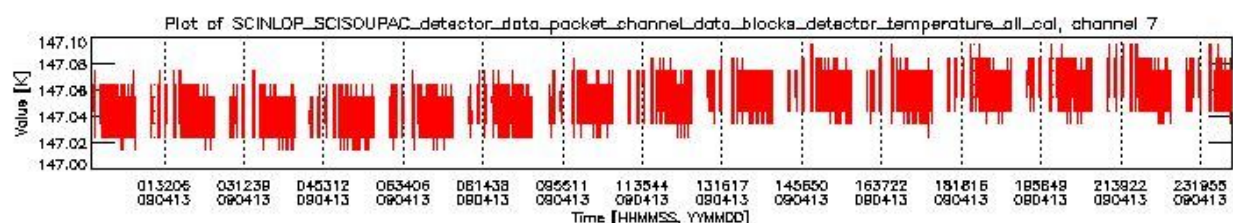
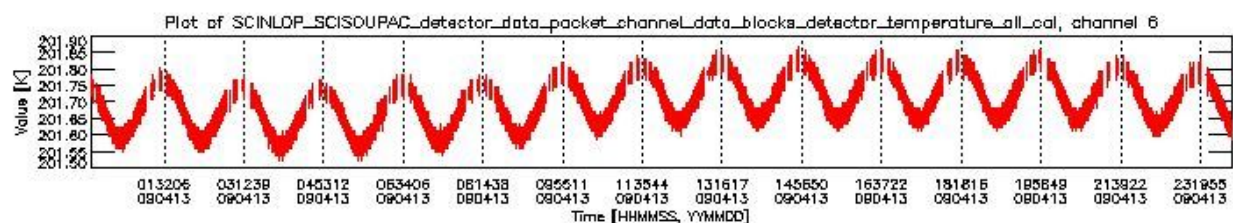
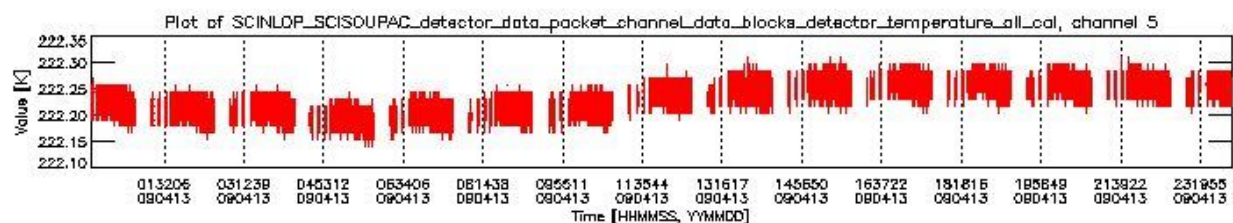
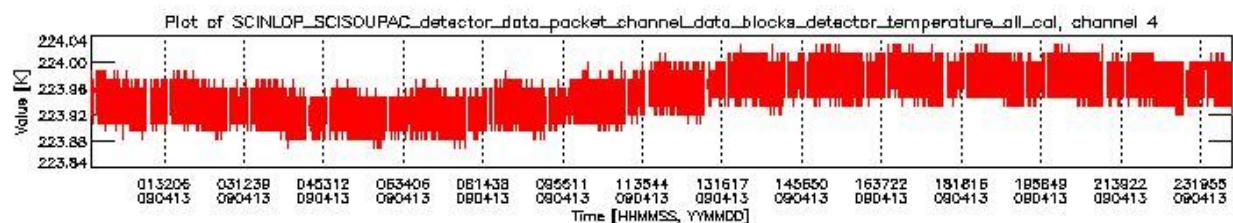
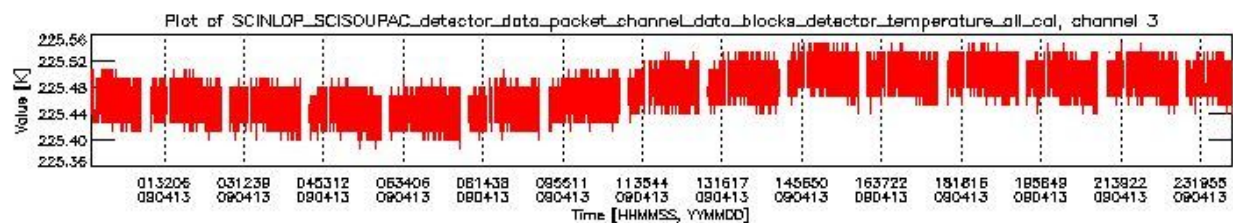
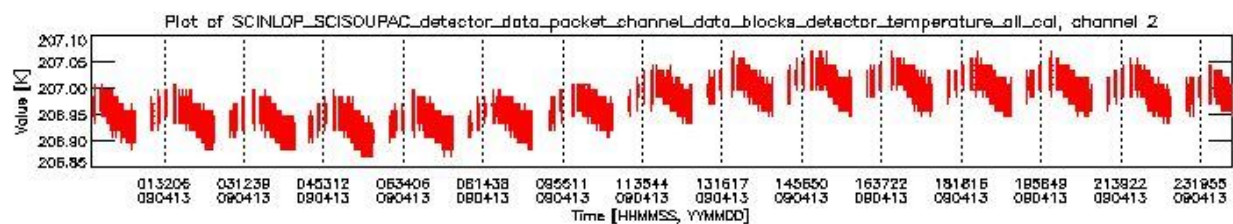
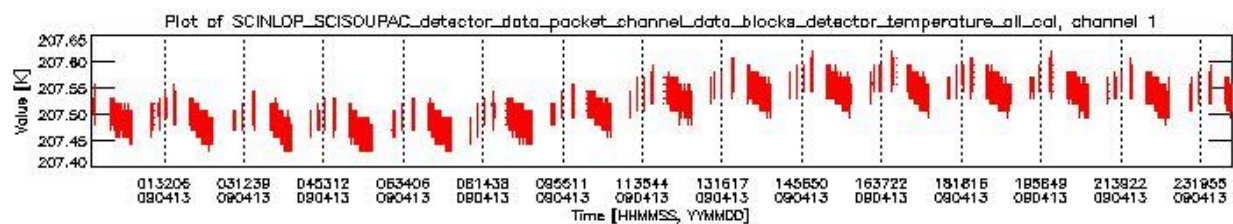
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090413_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090413_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090413_3.PNG

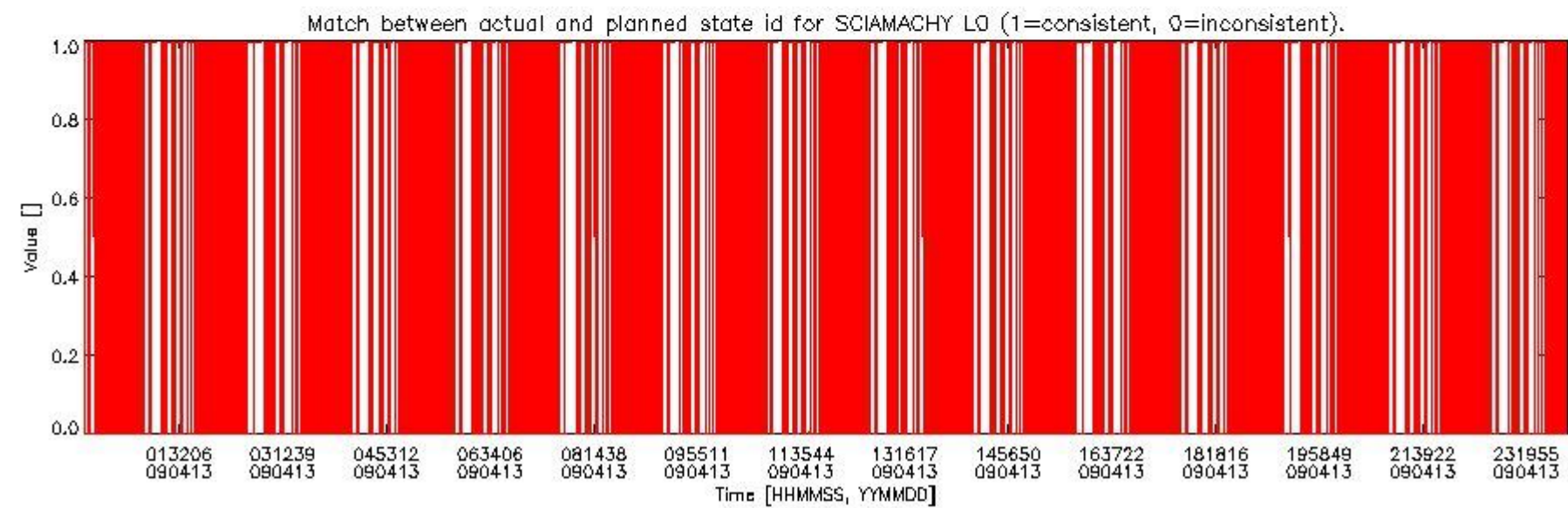
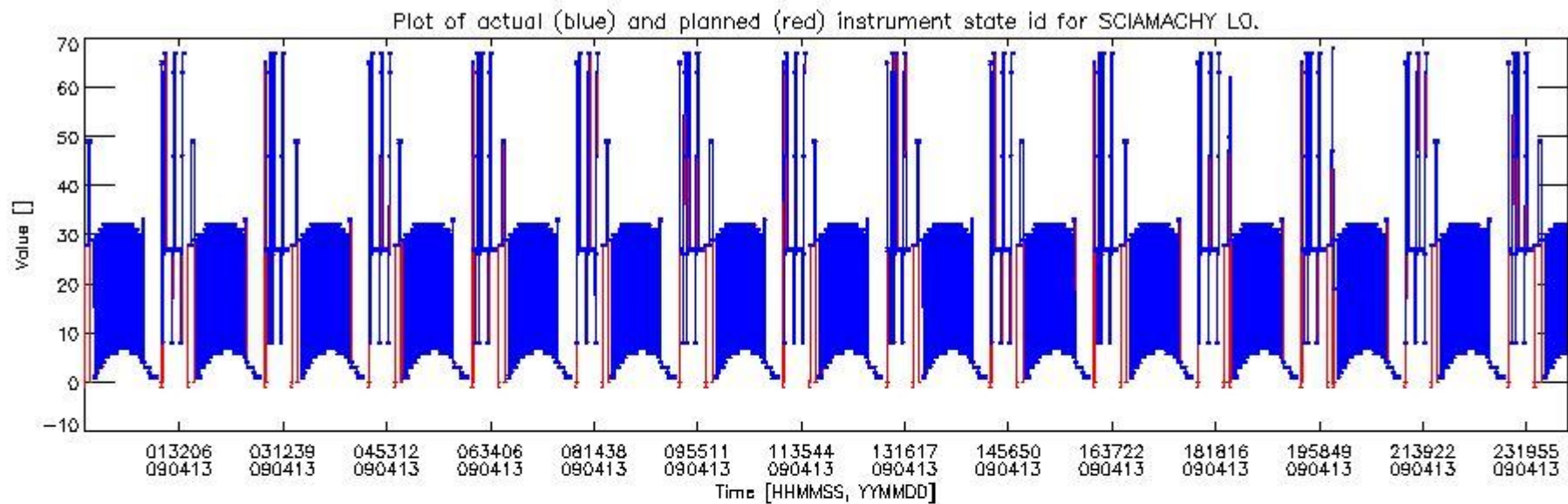


0.3 State monitoring

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: **60090**

#	Actual time	Actual value	Planned time	Planned value
0	13APR2009 00:03:18.797916	49	13APR2009 00:03:18.797916	28
1	13APR2009 00:03:18.985402	49	13APR2009 00:03:18.985402	28
2	13APR2009 00:03:19.047925	49	13APR2009 00:03:19.047925	28
3	13APR2009 00:03:19.110407	49	13APR2009 00:03:19.110407	28
4	13APR2009 00:03:19.172929	49	13APR2009 00:03:19.172929	28
5	13APR2009 00:03:19.235411	49	13APR2009 00:03:19.235411	28
6	13APR2009 00:03:19.297893	49	13APR2009 00:03:19.297893	28
7	13APR2009 00:03:19.360415	49	13APR2009 00:03:19.360415	28
8	13APR2009 00:03:19.422897	49	13APR2009 00:03:19.422897	28
9	13APR2009 00:03:19.485420	49	13APR2009 00:03:19.485420	28
10	13APR2009 00:03:19.547902	49	13APR2009 00:03:19.547902	28
11	13APR2009 00:03:19.610424	49	13APR2009 00:03:19.610424	28
12	13APR2009 00:03:19.672906	49	13APR2009 00:03:19.672906	28
13	13APR2009 00:03:19.735428	49	13APR2009 00:03:19.735428	28
14	13APR2009 00:03:19.797910	49	13APR2009 00:03:19.797910	28
15	13APR2009 00:03:19.860393	49	13APR2009 00:03:19.860393	28
16	13APR2009 00:03:19.922915	49	13APR2009 00:03:19.922915	28
17	13APR2009 00:03:19.985397	49	13APR2009 00:03:19.985397	28
18	13APR2009 00:03:20.047919	49	13APR2009 00:03:20.047919	28
19	13APR2009 00:03:20.110401	49	13APR2009 00:03:20.110401	28

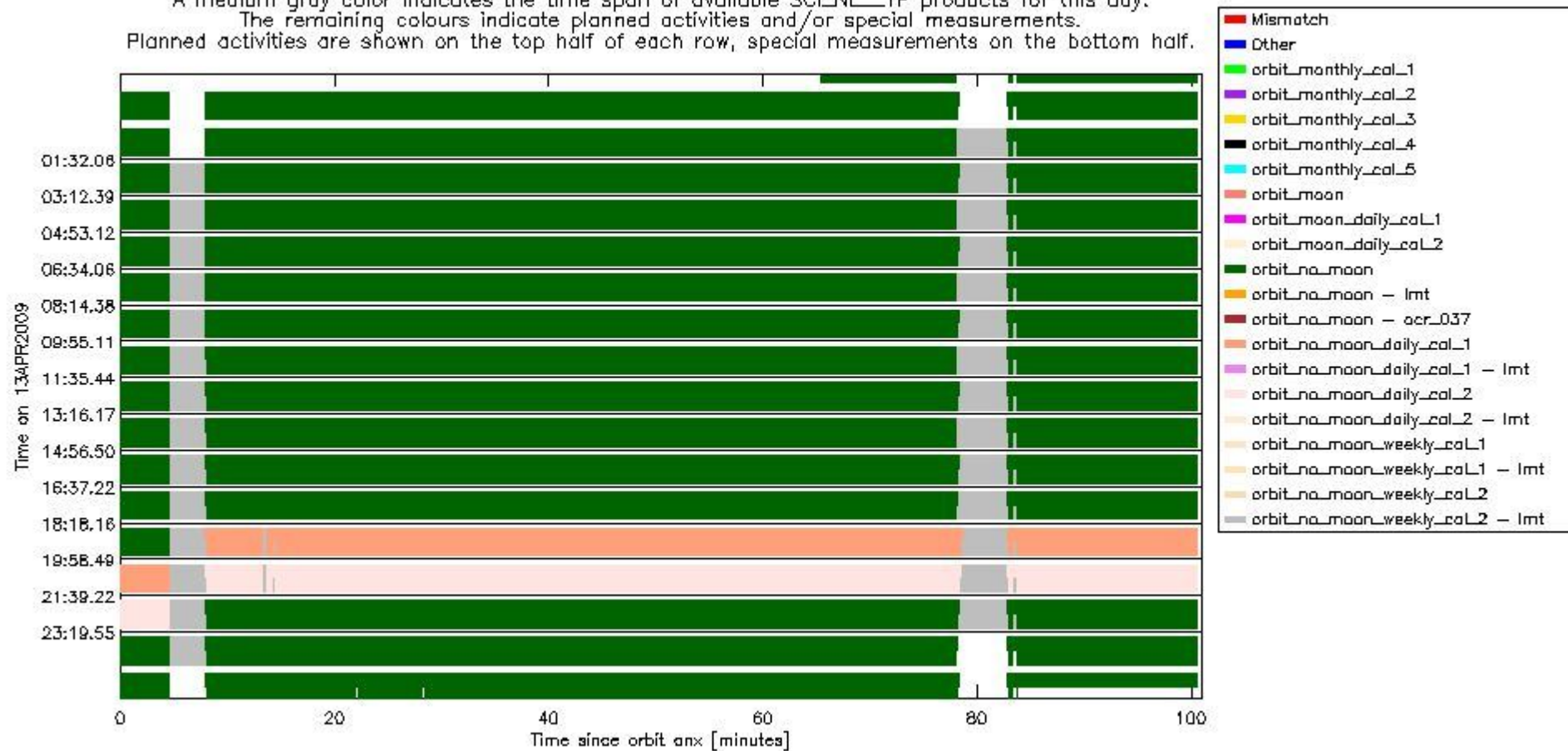


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090413_5.PNG

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 13APR2009.
 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_20090413_6.PNG

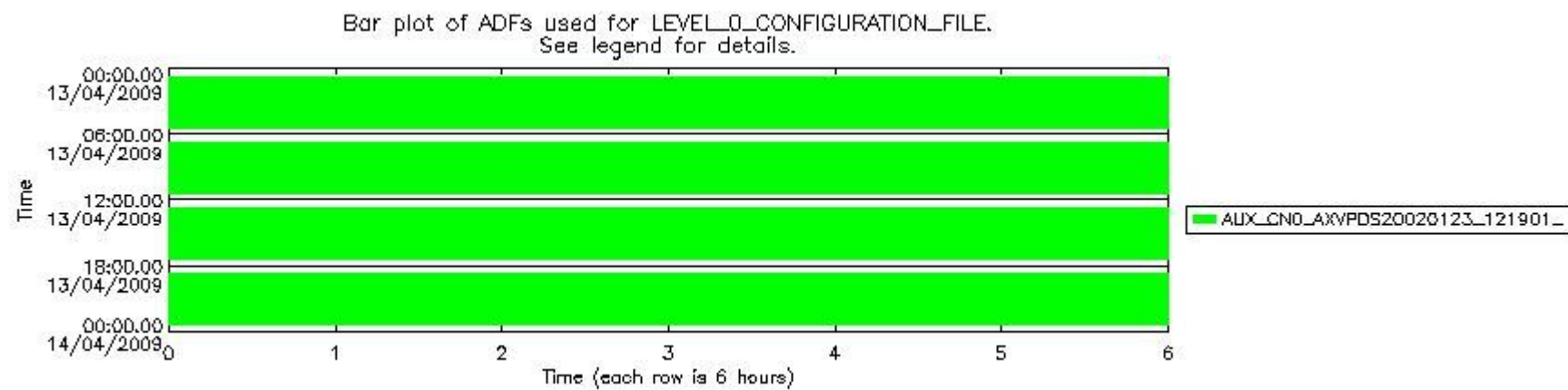
0.4 ADF monitoring

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

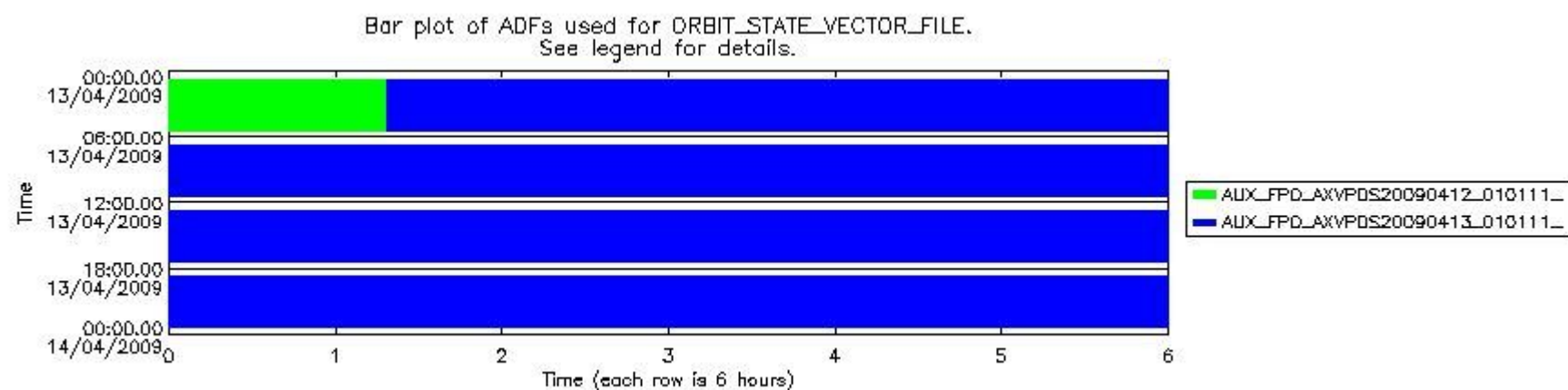
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

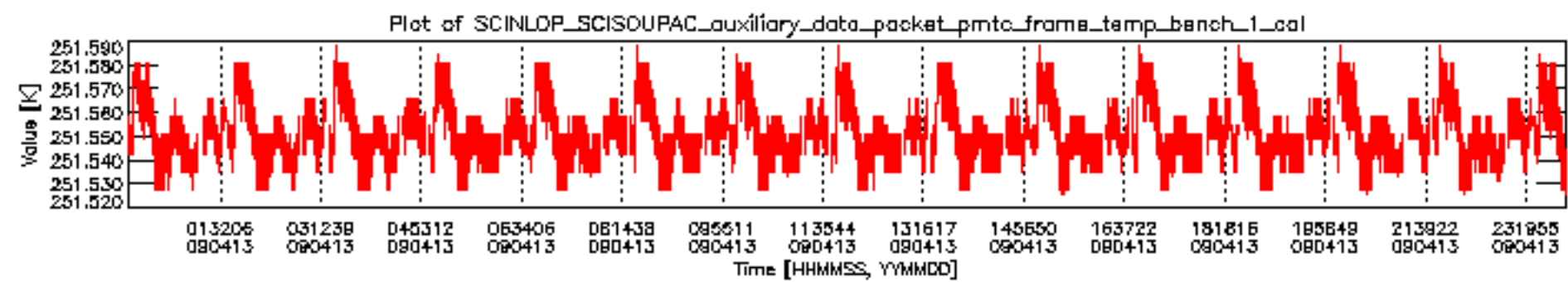
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090412_010111_20090411_192120_20090421_204734
2	AUX_FPO_AXVPDS20090413_010111_20090412_184943_20090422_201557

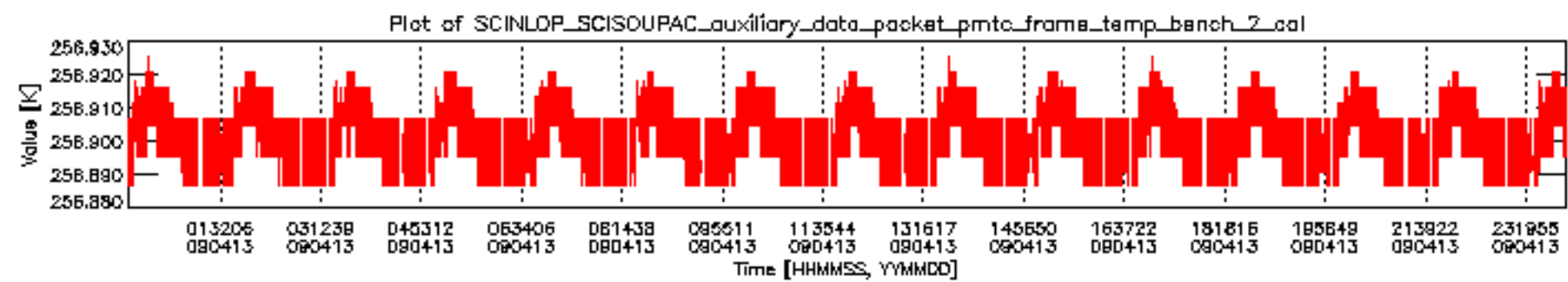


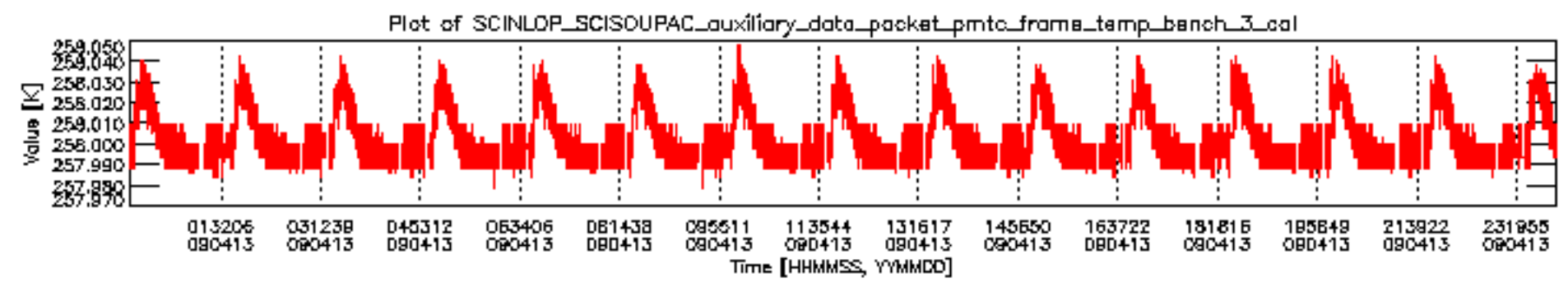
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090413_7.PNG

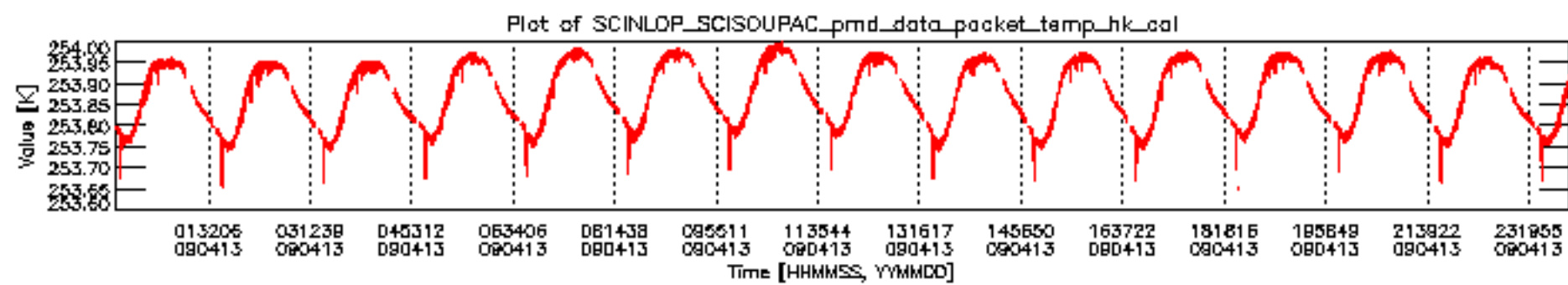


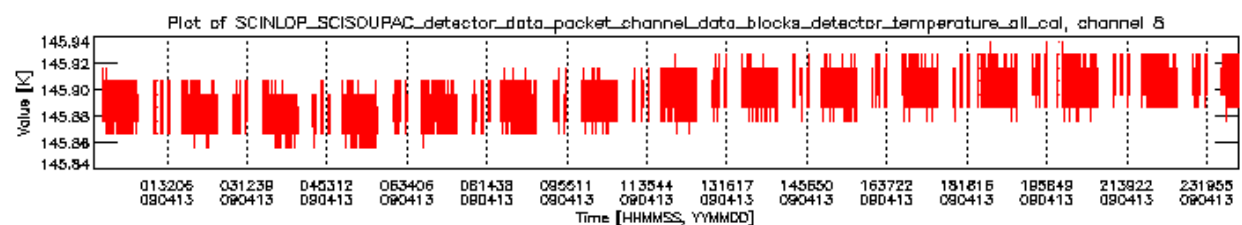
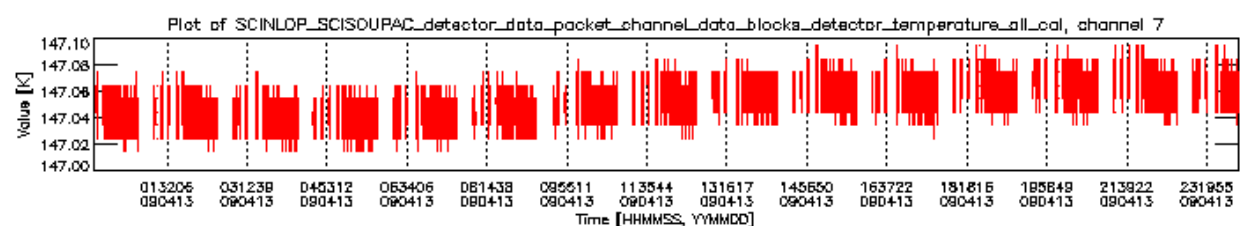
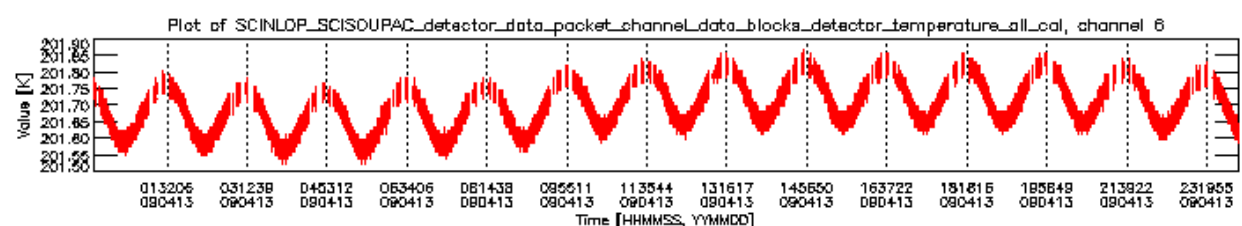
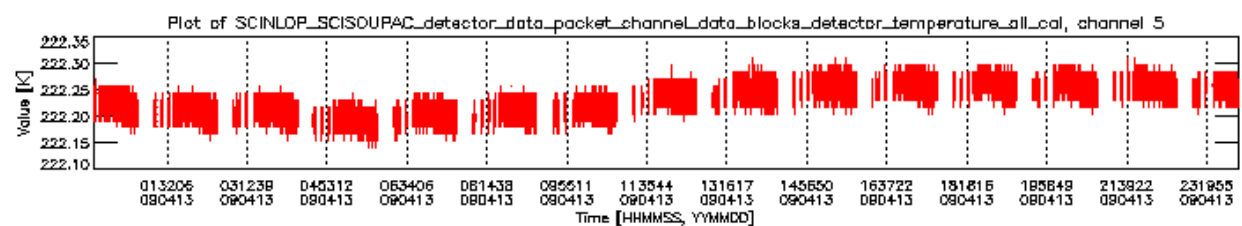
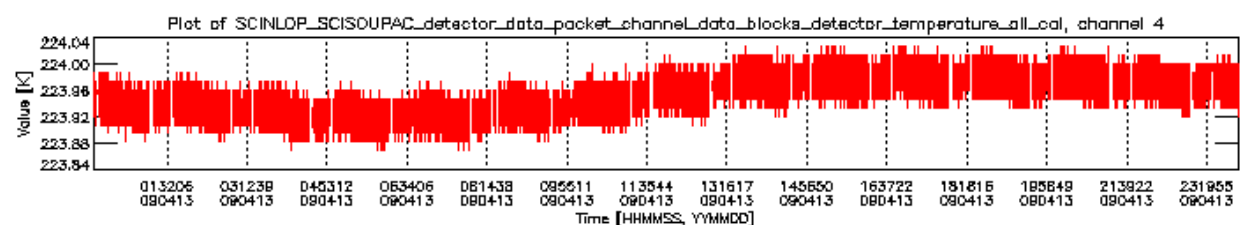
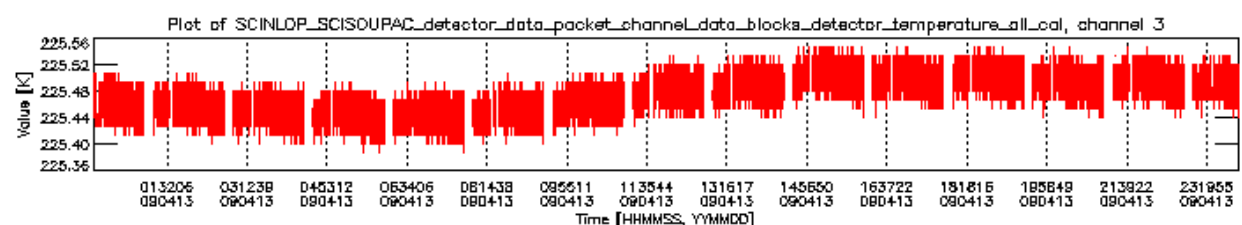
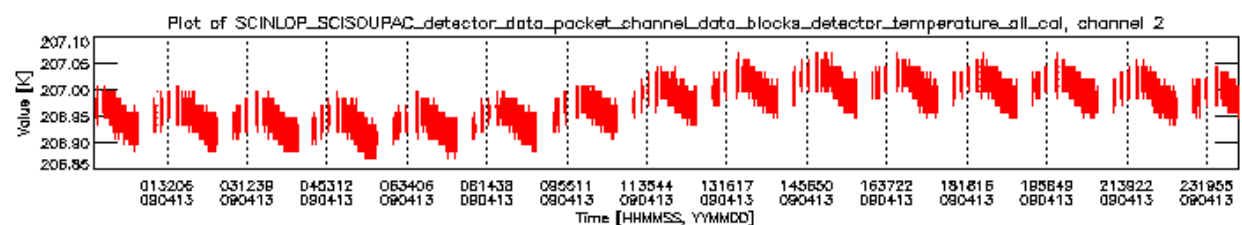
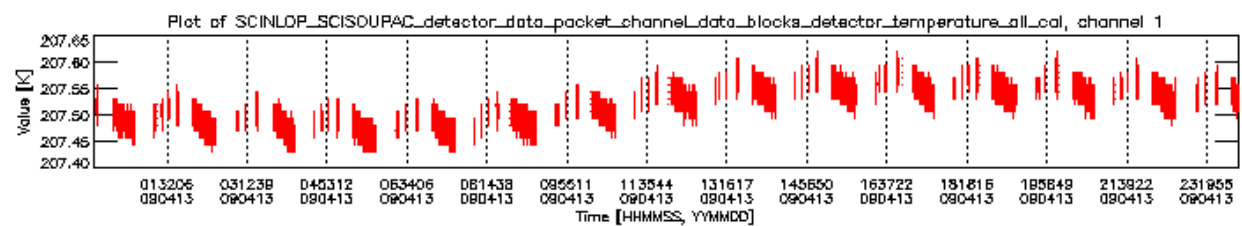
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090413_8.PNG

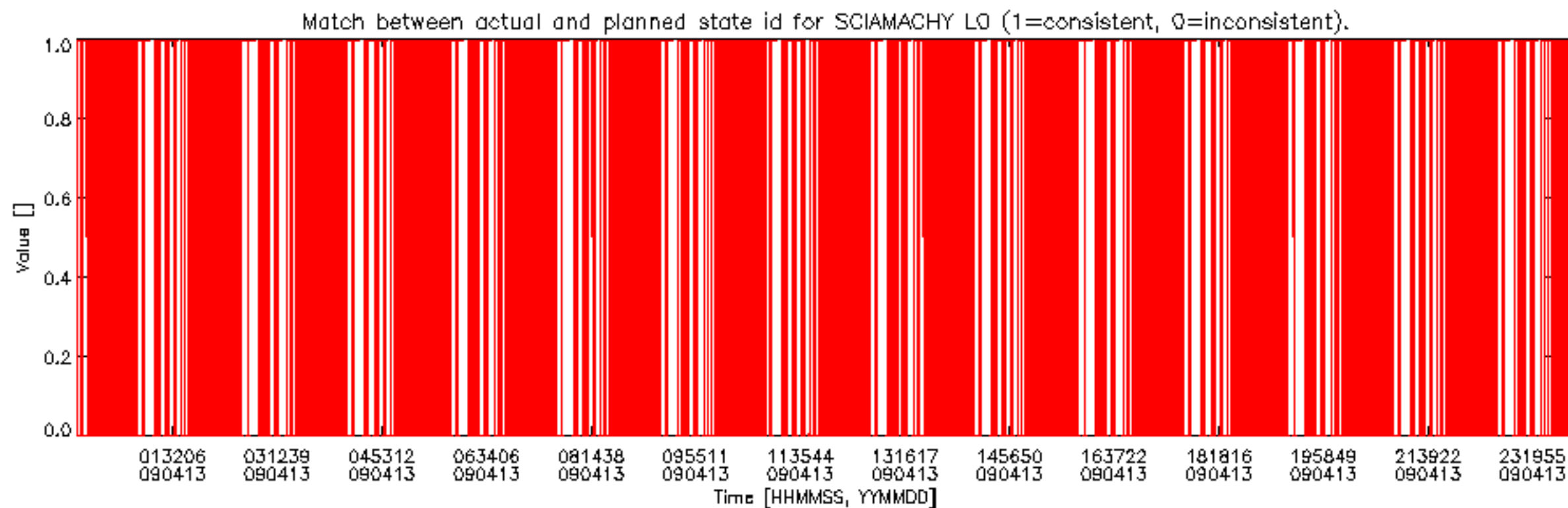
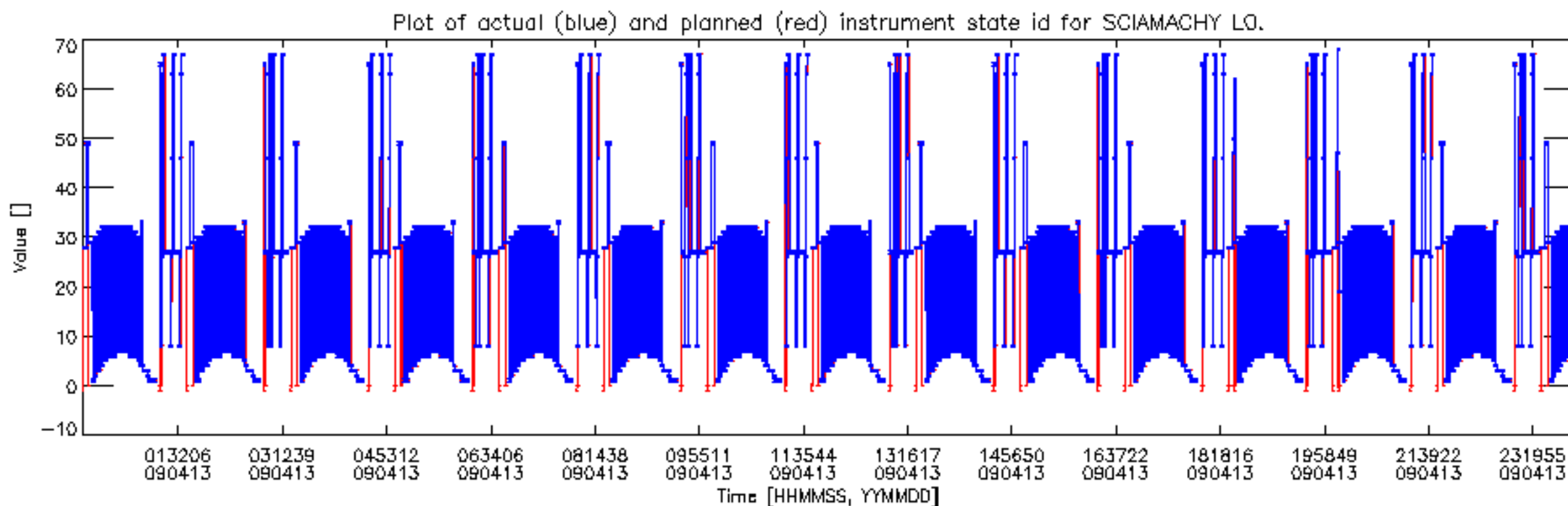












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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