

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	v1.4 20100407
Time of report generation	22DEC2011 14:53:10
Data source version	KSPT_L0/4504-N
Processing scope for products	03DEC2011 00:00:00 to 04DEC2011 00:00:00
Start time of first product within scope	03DEC2011 01:08:43
Stop time of last product within scope	04DEC2011 00:32:00
Total number of Level 0 products	18
Number of Level 0 products with errors	6

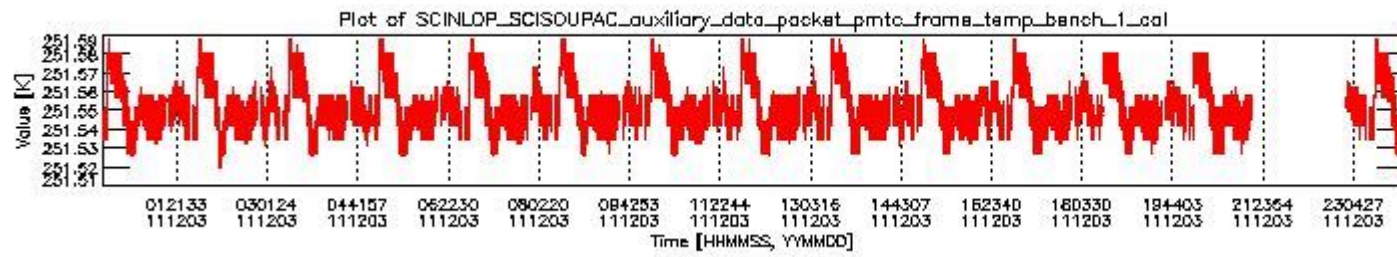
0.1.2 Summary per product

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

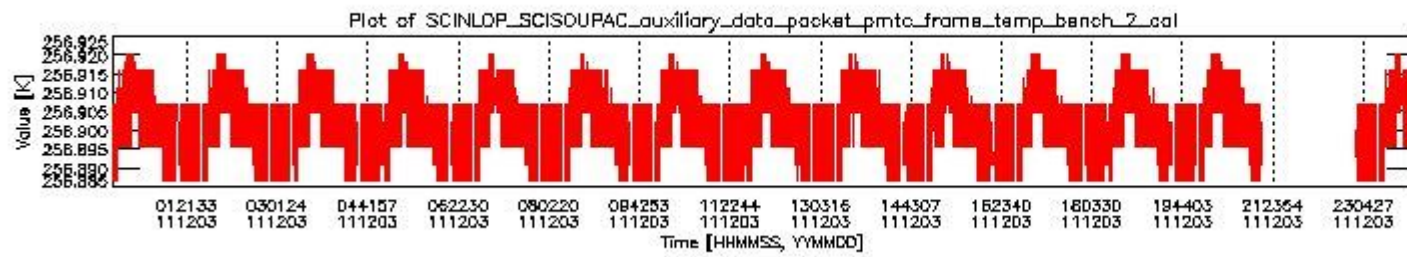
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20111203_010843_000102233109_00160_51036_4381.N1	03DEC2011 01:08:43	03DEC2011 03:59:06	0	0	0	0	0
1	SCI_NL__OPNPDE20111203_035906_000062603109_00162_51038_4382.N1	03DEC2011 03:59:06	03DEC2011 05:43:26	0	0	0	0	0
2	SCI_NL__OPNPDE20111203_054217_000061513109_00163_51039_4383.N1	03DEC2011 05:42:17	03DEC2011 07:24:48	0	0	0	0	0
3	SCI_NL__OPNPDK20111203_072340_000039273109_00164_51040_6551.N1	03DEC2011 07:23:40	03DEC2011 08:29:07	0	0	0	0	0
4	SCI_NL__OPNPDK20111203_082813_000061913109_00165_51041_6552.N1	03DEC2011 08:28:13	03DEC2011 10:11:24	0	0	0	0	0
5	SCI_NL__OPNPDK20111203_100921_000060143109_00166_51042_6553.N1	03DEC2011 10:09:21	03DEC2011 11:49:35	1	1	0	0	0
6	SCI_NL__OPNPDK20111203_114747_000060683109_00167_51043_6554.N1	03DEC2011 11:47:47	03DEC2011 13:28:55	0	0	0	0	0
7	SCI_NL__OPNPDK20111203_132801_000059603109_00168_51044_6555.N1	03DEC2011 13:28:01	03DEC2011 15:07:21	0	0	0	0	0
8	SCI_NL__OPNPDK20111203_150503_000060143109_00169_51045_6556.N1	03DEC2011 15:05:03	03DEC2011 16:45:17	0	0	0	0	0
9	SCI_NL__OPNPDK20111203_164422_000055873109_00170_51046_6557.N1	03DEC2011 16:44:22	03DEC2011 18:17:29	0	0	0	0	0
10	SCI_NL__OPNPDK20111203_182154_000057103109_00171_51047_6558.N1	03DEC2011 18:21:54	03DEC2011 19:57:03	0	0	0	0	0
11	SCI_NL__OPNPDE20111203_195703_000042093109_00172_51048_4384.N1	03DEC2011 19:57:03	03DEC2011 21:07:12	0	0	0	0	0
12	SCI_NL__OPNPDE20111203_210604_000000003109_00172_51048_4386.N1	03DEC2011 21:06:04	03DEC2011 21:06:04	1	1	0	0	0
13	SCI_NL__OPNPDE20111203_210712_000000693109_00172_51048_4392.N1	03DEC2011 21:07:12	03DEC2011 21:08:21	1	1	0	0	0
14	SCI_NL__OPNPDE20111203_210821_000000003109_00172_51048_4396.N1	03DEC2011 21:08:21	03DEC2011 21:08:21	1	1	0	0	0
15	SCI_NL__OPNPDE20111203_210929_000000003109_00172_51048_4406.N1	03DEC2011 21:09:29	03DEC2011 21:09:29	1	1	0	0	0
16	SCI_NL__OPNPDE20111203_211038_000000003109_00172_51048_4429.N1	03DEC2011 21:10:38	03DEC2011 21:10:38	1	1	0	0	0
17	SCI_NL__OPNPDE20111203_225647_000057133109_00173_51049_7691.N1	03DEC2011 22:56:47	04DEC2011 00:32:00	0	0	0	0	0

0.2 Product Quality Indicators

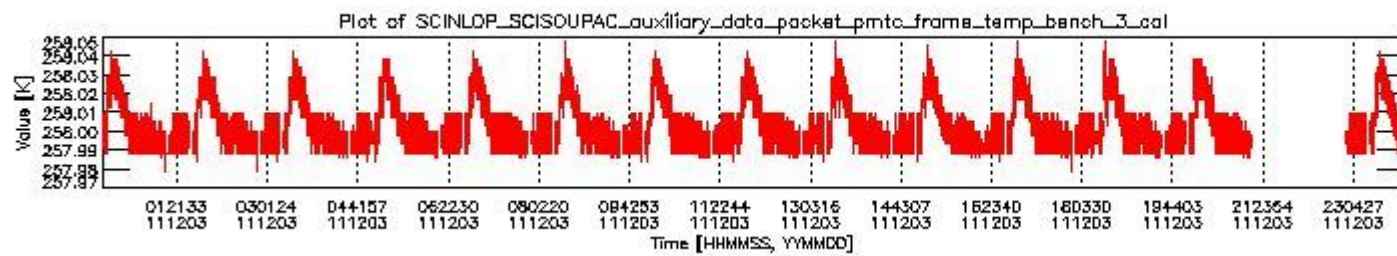
This section shows information about product quality, currently temperatures.



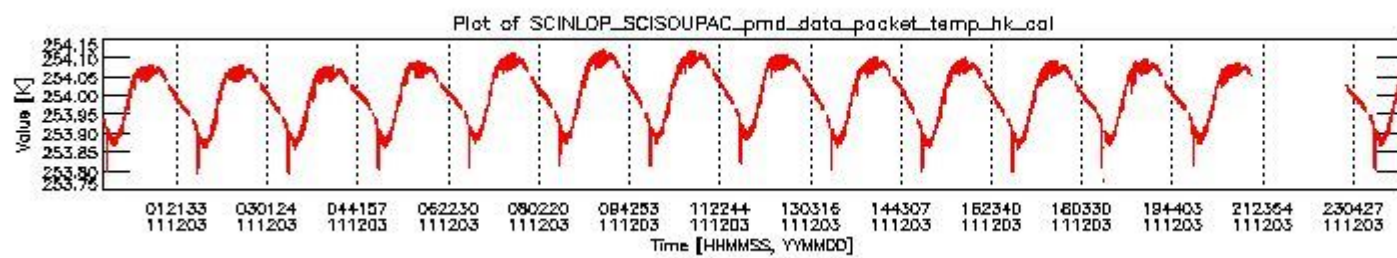
sciamachy_daily_report_level0_KSPT_L0_4504_N_20111203_0.PNG



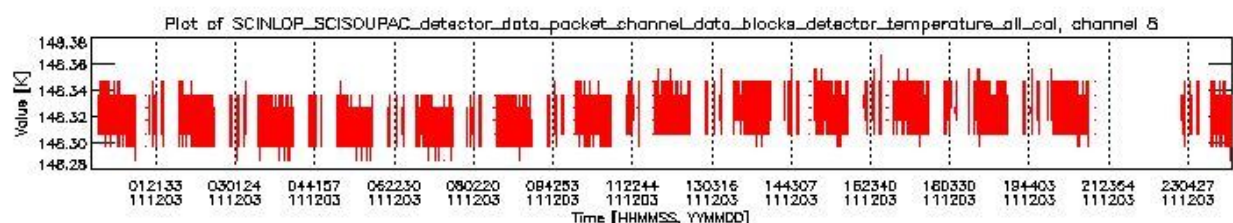
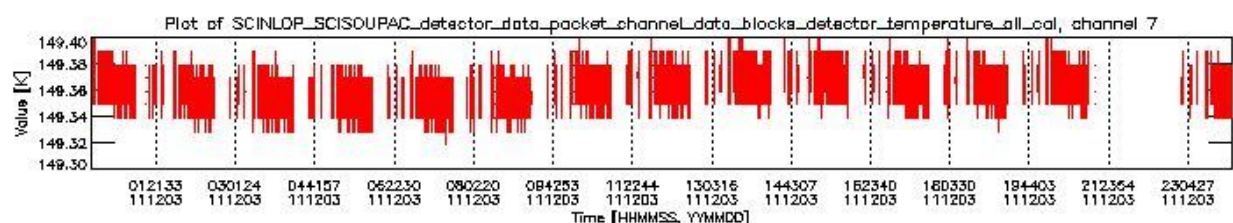
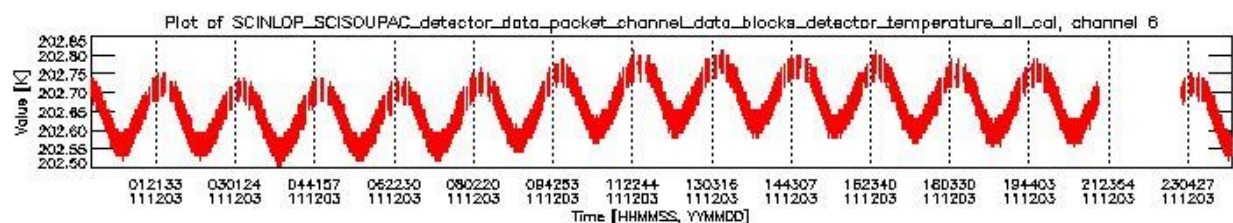
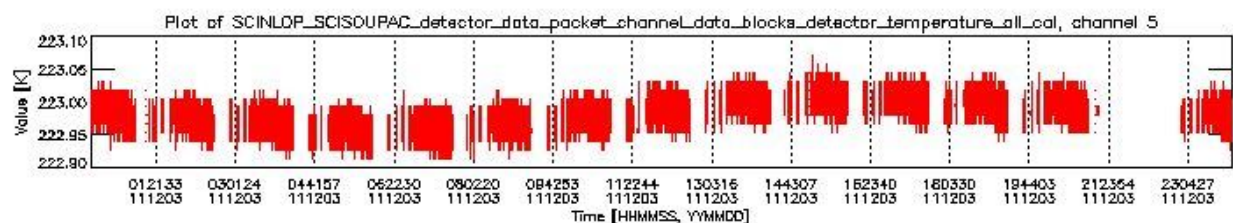
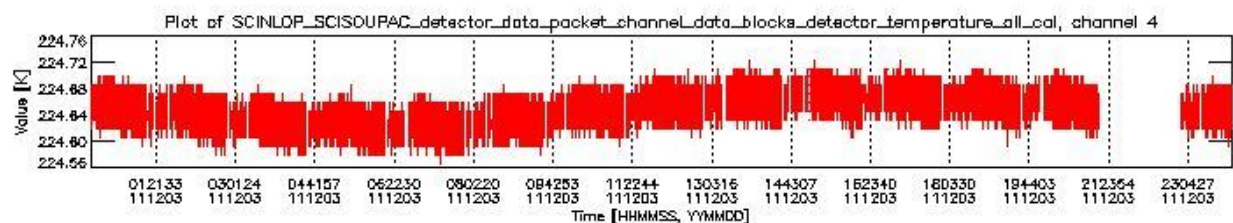
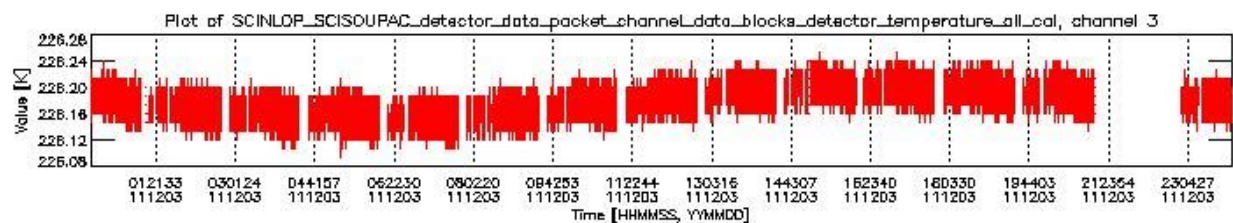
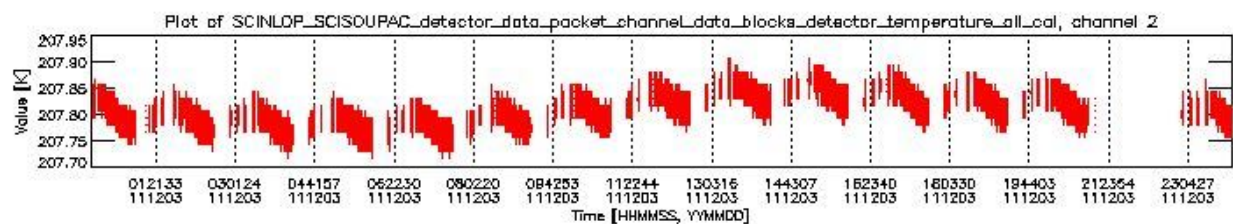
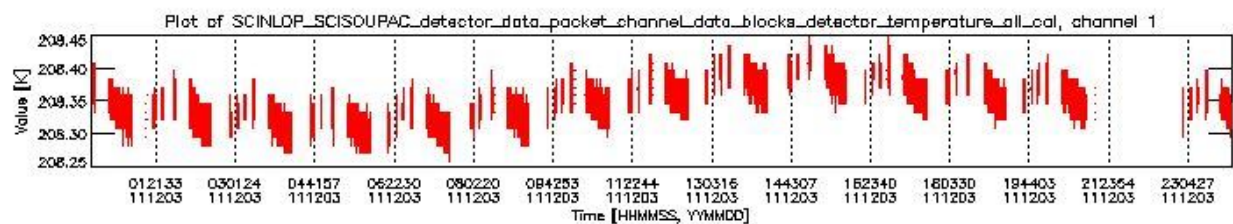
sciamachy_daily_report_level0_KSPT_L0_4504_N_20111203_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20111203_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20111203_3.PNG

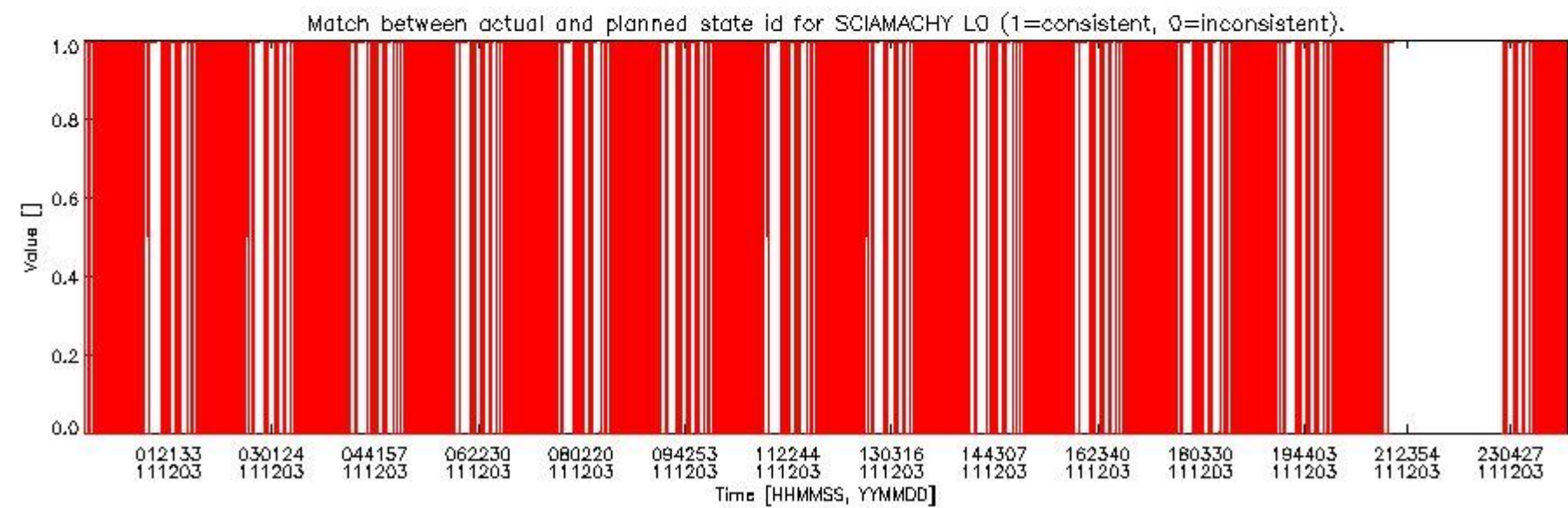
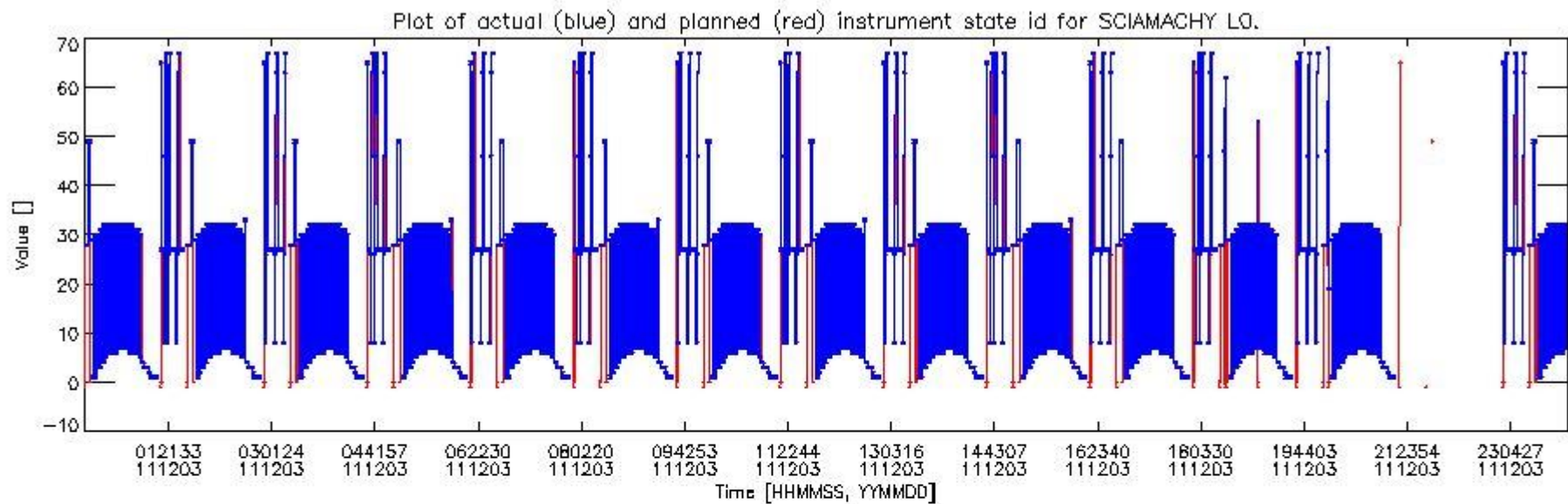


0.3 State monitoring

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: **44465**

#	Actual time	Actual value	Planned time	Planned value
0	03DEC2011 00:02:56.850239	49	03DEC2011 00:02:56.850239	28
1	03DEC2011 00:02:57.037739	49	03DEC2011 00:02:57.037739	28
2	03DEC2011 00:02:57.100239	49	03DEC2011 00:02:57.100239	28
3	03DEC2011 00:02:57.162739	49	03DEC2011 00:02:57.162739	28
4	03DEC2011 00:02:57.225239	49	03DEC2011 00:02:57.225239	28
5	03DEC2011 00:02:57.287739	49	03DEC2011 00:02:57.287739	28
6	03DEC2011 00:02:57.350239	49	03DEC2011 00:02:57.350239	28
7	03DEC2011 00:02:57.412739	49	03DEC2011 00:02:57.412739	28
8	03DEC2011 00:02:57.475239	49	03DEC2011 00:02:57.475239	28
9	03DEC2011 00:02:57.537739	49	03DEC2011 00:02:57.537739	28
10	03DEC2011 00:02:57.600239	49	03DEC2011 00:02:57.600239	28
11	03DEC2011 00:02:57.662739	49	03DEC2011 00:02:57.662739	28
12	03DEC2011 00:02:57.725239	49	03DEC2011 00:02:57.725239	28
13	03DEC2011 00:02:57.787739	49	03DEC2011 00:02:57.787739	28
14	03DEC2011 00:02:57.850239	49	03DEC2011 00:02:57.850239	28
15	03DEC2011 00:02:57.912739	49	03DEC2011 00:02:57.912739	28
16	03DEC2011 00:02:57.975239	49	03DEC2011 00:02:57.975239	28
17	03DEC2011 00:02:58.037739	49	03DEC2011 00:02:58.037739	28
18	03DEC2011 00:02:58.100239	49	03DEC2011 00:02:58.100239	28
19	03DEC2011 00:02:58.162739	49	03DEC2011 00:02:58.162739	28
...

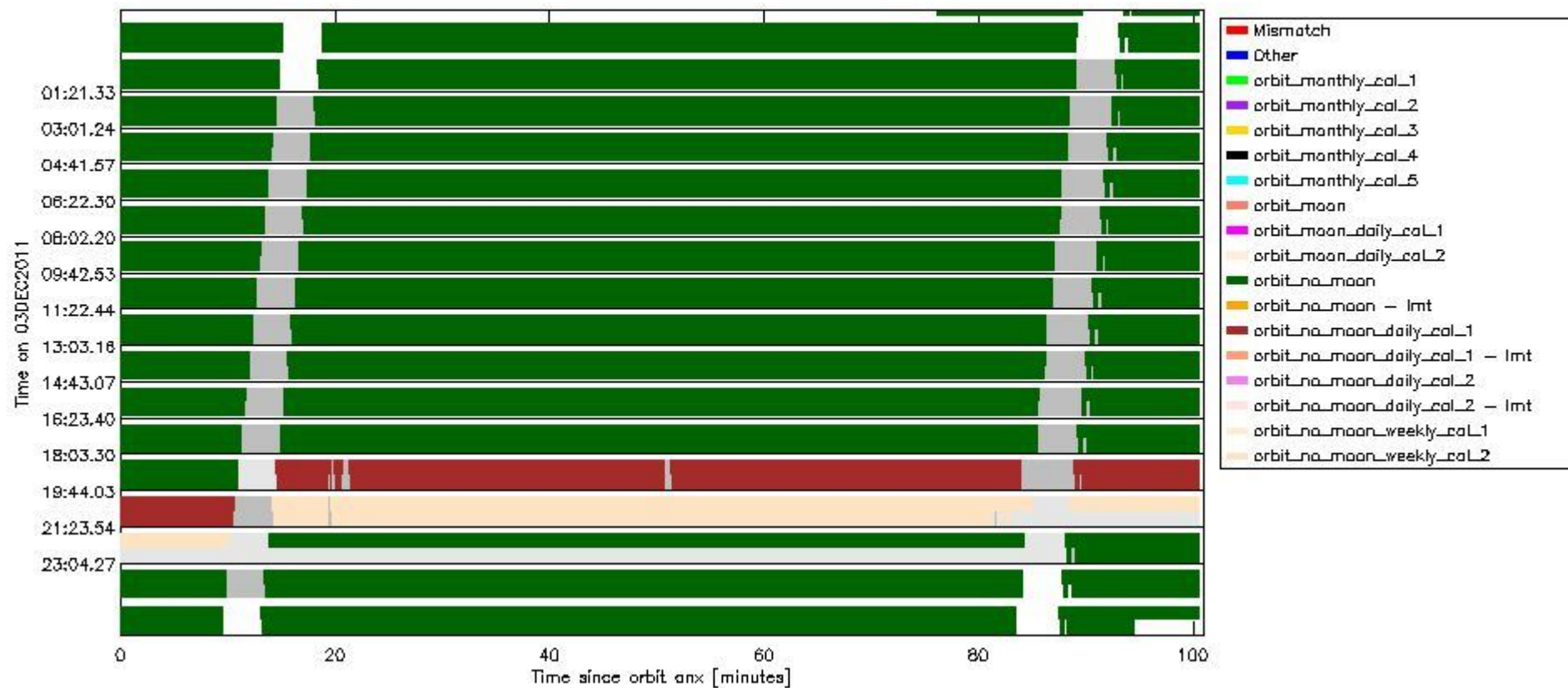


sciamachy_daily_report_level0_KSPT_L0_4504_N_20111203_5.PNG

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 03DEC2011.
 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_4504_N_20111203_6.PNG

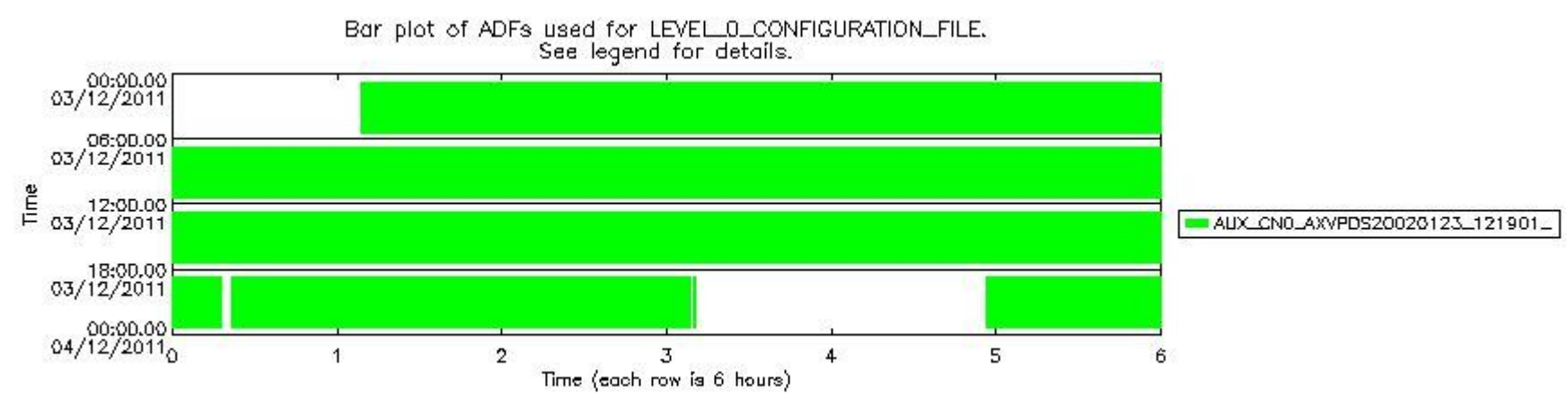
0.4 ADF monitoring

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

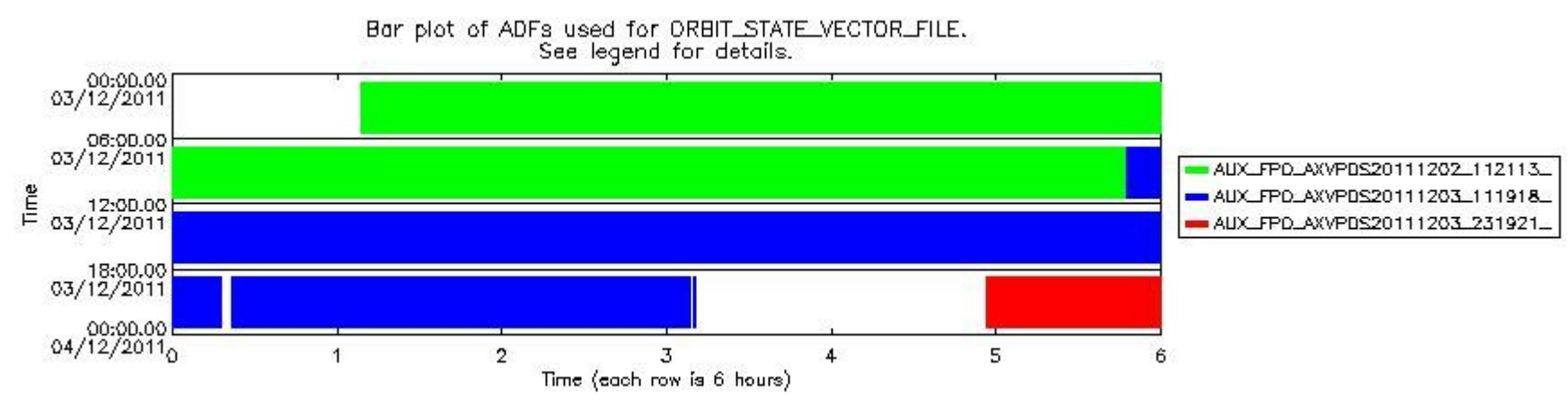
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

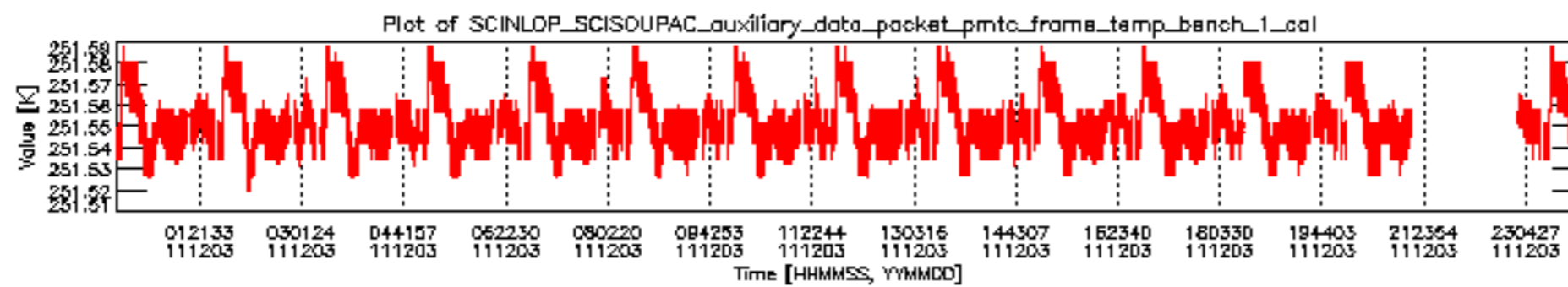
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20111202_112113_20111201_191714_20111211_213056
2	AUX_FPO_AXVPDS20111203_111918_20111202_184030_20111212_205411
3	AUX_FPO_AXVPDS20111203_231921_20111203_194359_20111213_201726

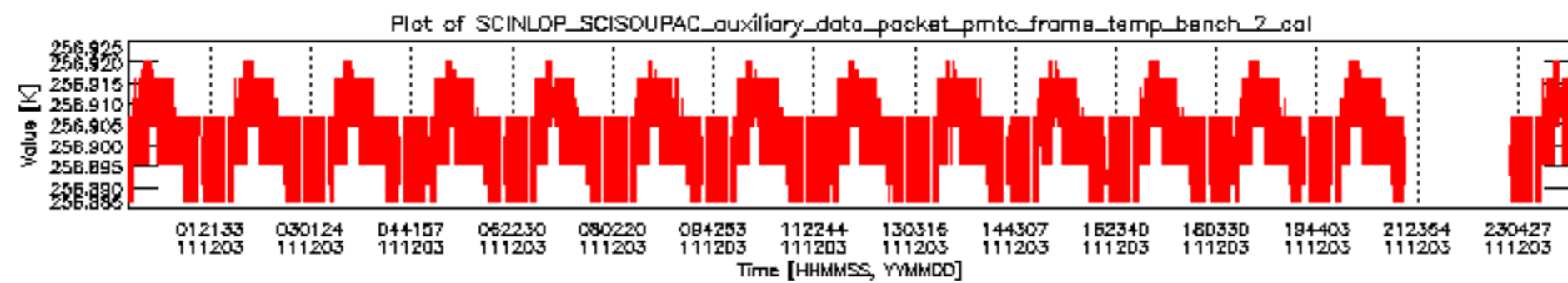


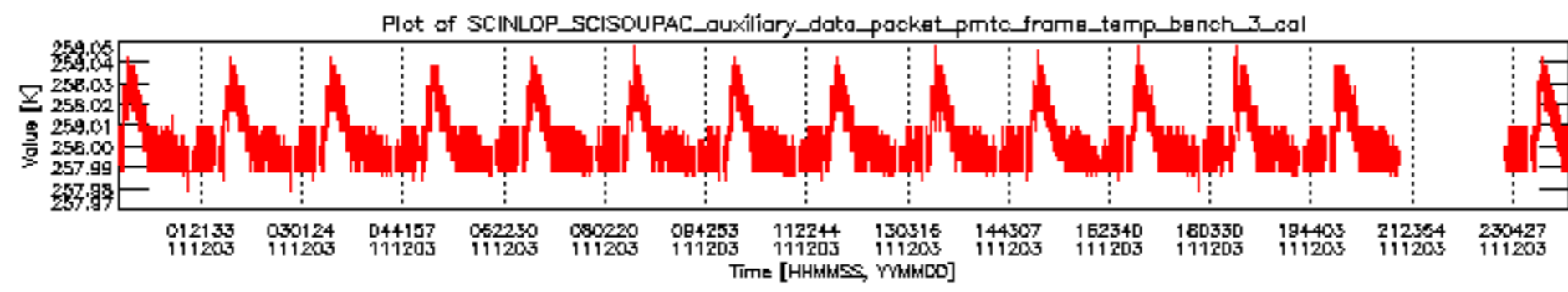
sciamachy_daily_report_level0_KSPT_L0_4504_N_20111203_7.PNG

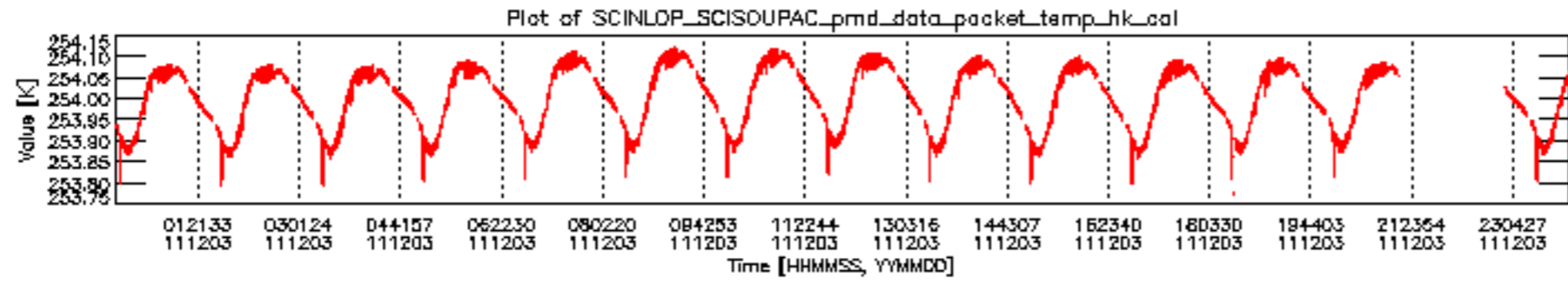


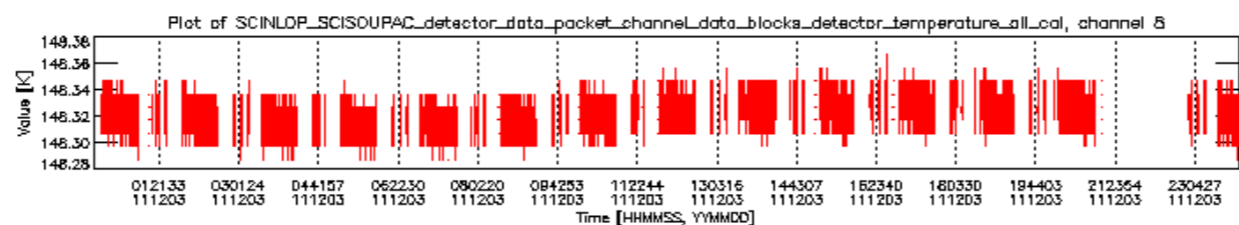
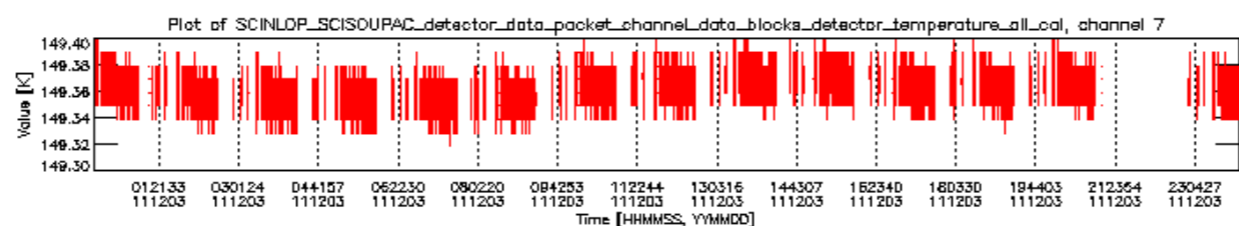
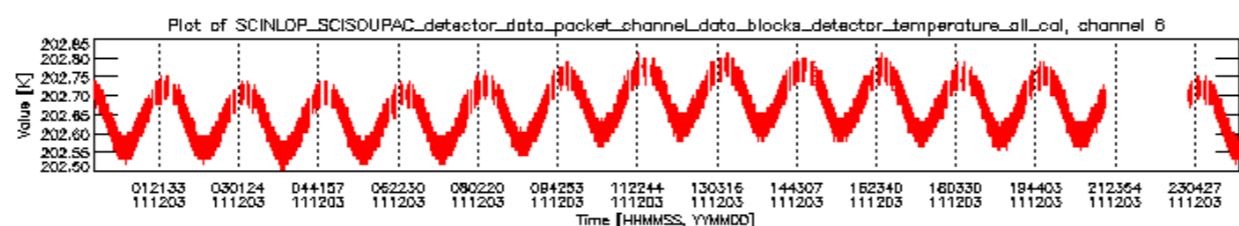
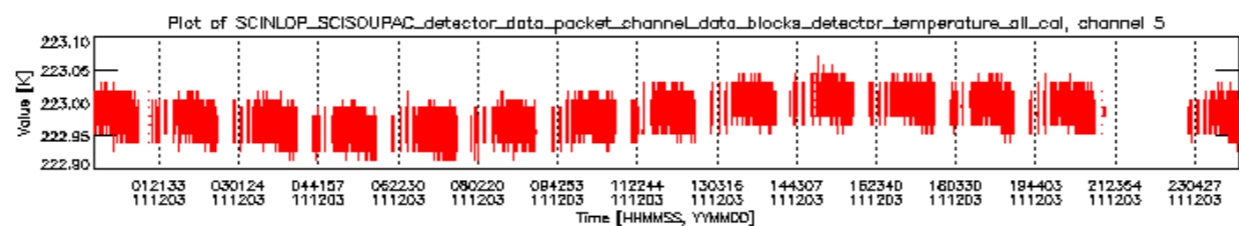
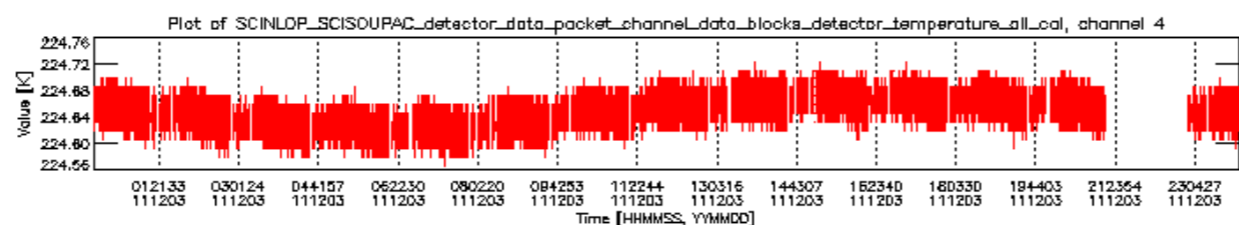
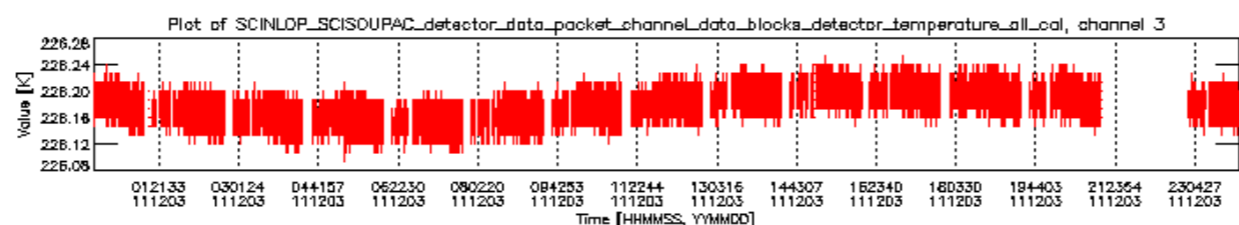
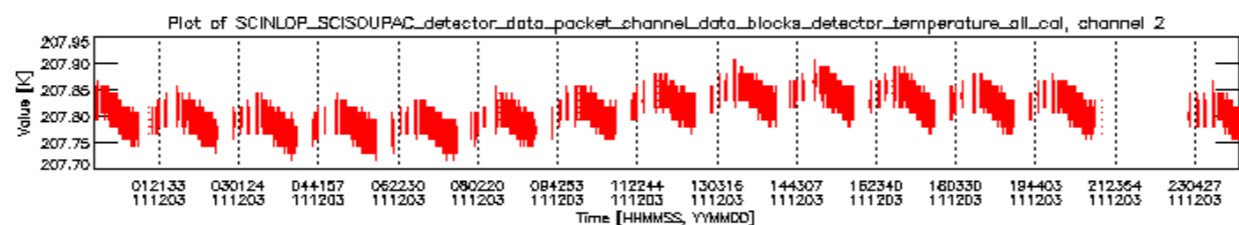
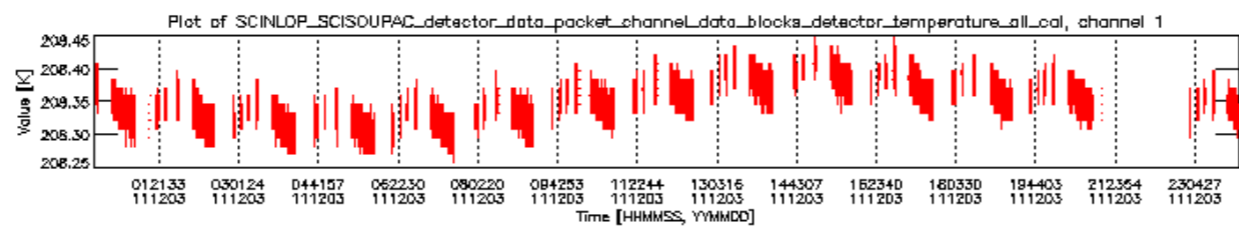
sciamachy_daily_report_level0_KSPT_L0_4504_N_20111203_8.PNG

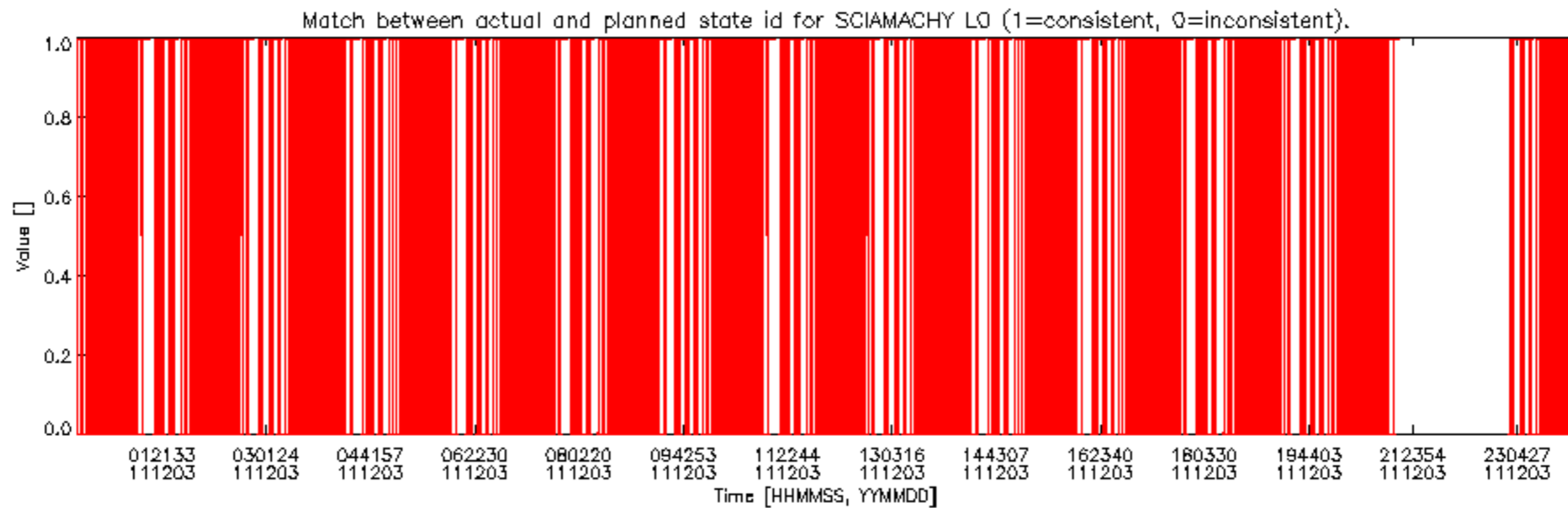
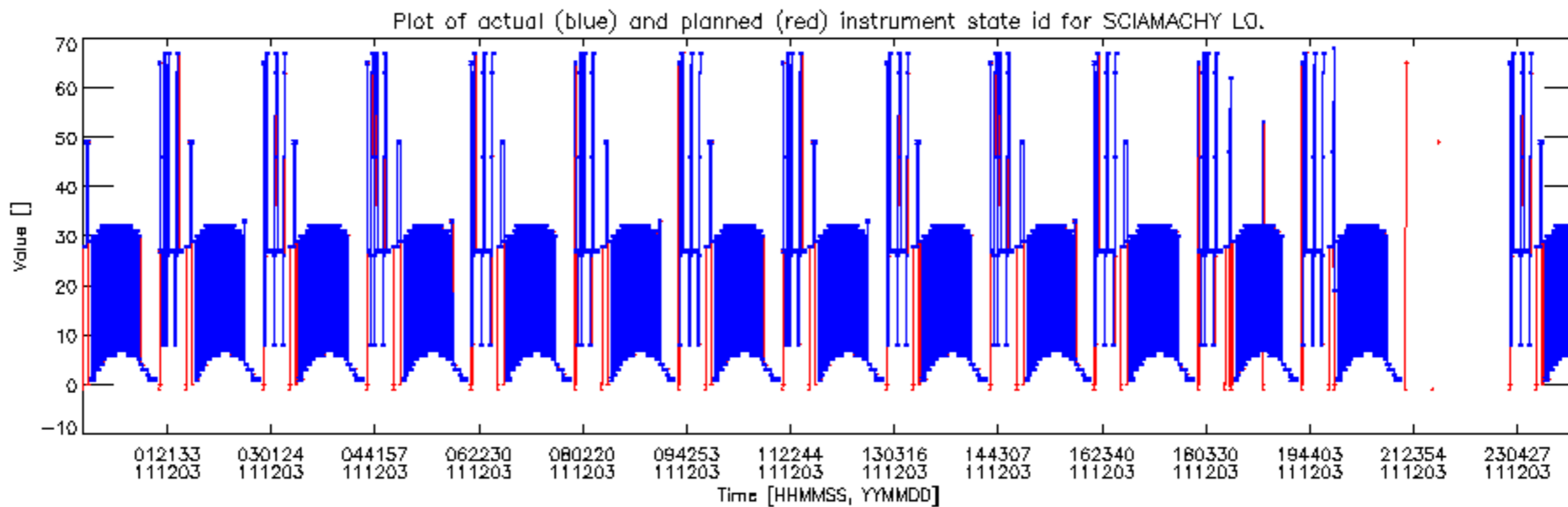












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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