

0. SCIAMACHY Daily Report for Level 0 products

[0.1 General Info](#)

[0.2 Product Quality Indicators](#)

[0.3 State monitoring](#)

[0.4 ADF monitoring](#)

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 15:01:49
Data source version	KSPT_L0/4504-N
Processing scope for products	14DEC2011 00:00:00 to 15DEC2011 00:00:00
Start time of first product within scope	14DEC2011 01:05:43
Stop time of last product within scope	15DEC2011 00:28:59
Total number of Level 0 products	14
Number of Level 0 products with errors	0

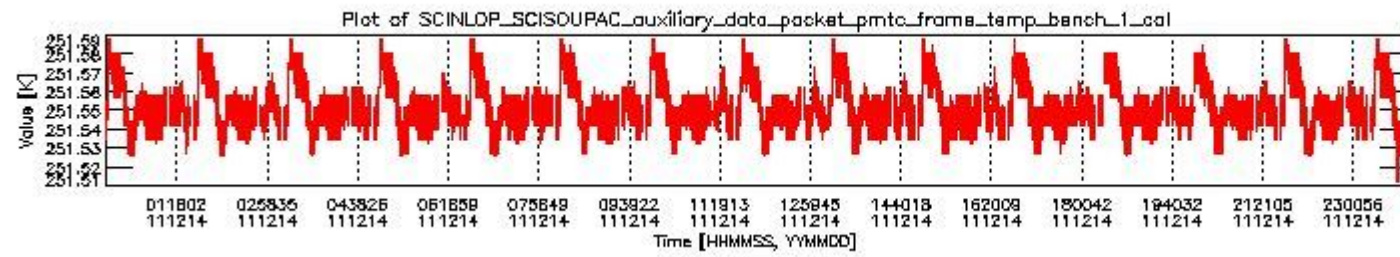
0.1.2 Summary per product

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

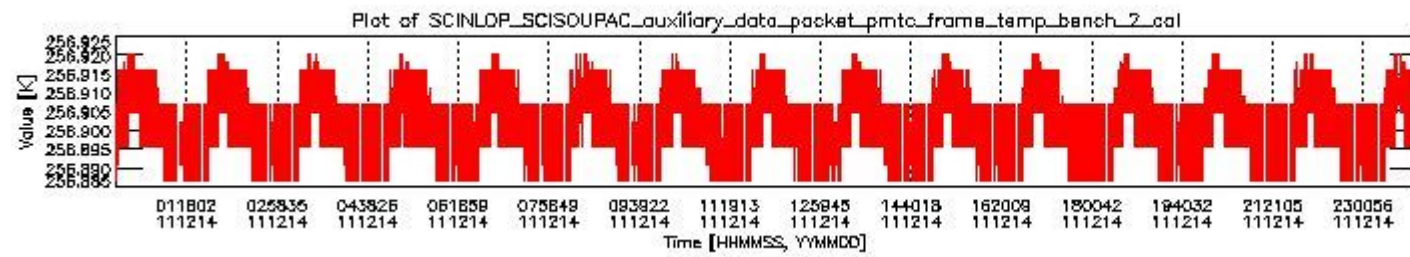
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20111214_010543_000102233109_00318_51194_7888.N1	14DEC2011 01:05:43	14DEC2011 03:56:06	0	0	0	0	0
1	SCI_NL__OPNPDE20111214_035606_000061913109_00320_51196_7889.N1	14DEC2011 03:56:06	14DEC2011 05:39:17	0	0	0	0	0
2	SCI_NL__OPNPDE20111214_053917_000060833109_00321_51197_7890.N1	14DEC2011 05:39:17	14DEC2011 07:20:40	0	0	0	0	0
3	SCI_NL__OPNPDK20111214_071946_000040363109_00322_51198_6646.N1	14DEC2011 07:19:46	14DEC2011 08:27:01	0	0	0	0	0
4	SCI_NL__OPNPDK20111214_082607_000060833109_00323_51199_6647.N1	14DEC2011 08:26:07	14DEC2011 10:07:30	0	0	0	0	0
5	SCI_NL__OPNPDK20111214_100527_000060683109_00324_51200_6648.N1	14DEC2011 10:05:27	14DEC2011 11:46:35	0	0	0	0	0
6	SCI_NL__OPNPDK20111214_114447_000061223109_00325_51201_6649.N1	14DEC2011 11:44:47	14DEC2011 13:26:49	0	0	0	0	0
7	SCI_NL__OPNPDK20111214_132555_000057683109_00326_51202_6650.N1	14DEC2011 13:25:55	14DEC2011 15:02:03	0	0	0	0	0
8	SCI_NL__OPNPDK20111214_150203_000059053109_00327_51203_6651.N1	14DEC2011 15:02:03	14DEC2011 16:40:27	0	0	0	0	0
9	SCI_NL__OPNPDK20111214_163933_000060143109_00328_51204_6652.N1	14DEC2011 16:39:33	14DEC2011 18:19:47	0	0	0	0	0
10	SCI_NL__OPNPDK20111214_181853_000057213109_00329_51205_6653.N1	14DEC2011 18:18:53	14DEC2011 19:54:14	0	0	0	0	0
11	SCI_NL__OPNPDE20111214_195340_000042323109_00330_51206_7891.N1	14DEC2011 19:53:40	14DEC2011 21:04:13	0	0	0	0	0
12	SCI_NL__OPNPDE20111214_210304_000063273109_00330_51206_7892.N1	14DEC2011 21:03:04	14DEC2011 22:48:31	0	0	0	0	0
13	SCI_NL__OPNPDE20111214_224831_000060283109_00331_51207_7893.N1	14DEC2011 22:48:31	15DEC2011 00:28:59	0	0	0	0	0

0.2 Product Quality Indicators

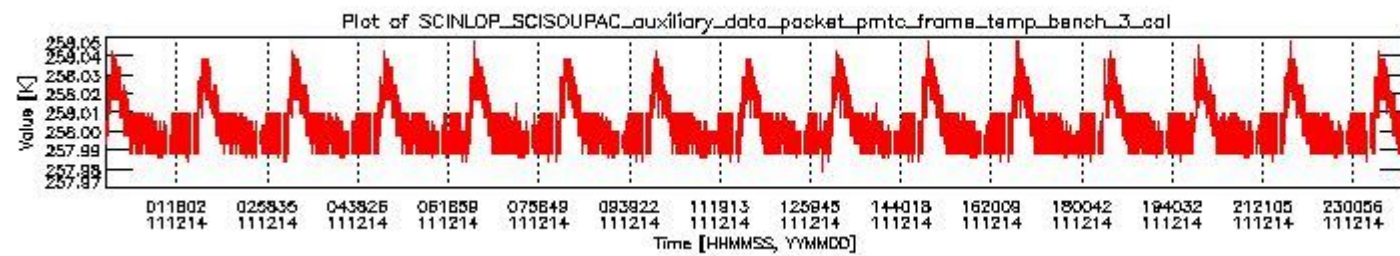
This section shows information about product quality, currently temperatures.



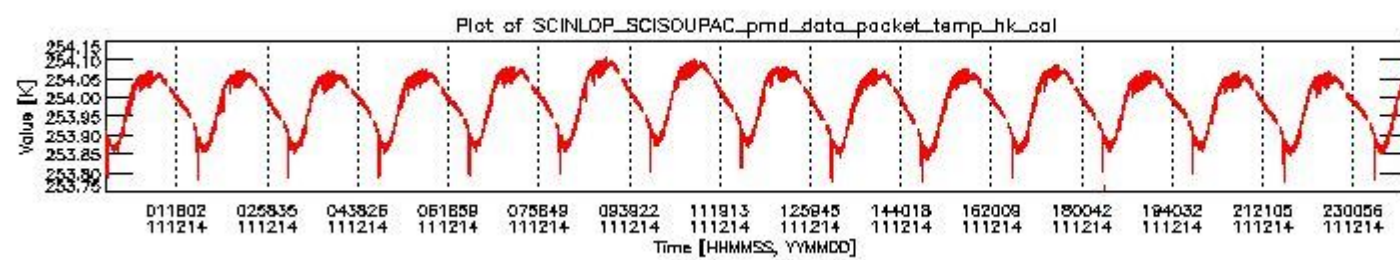
sciamachy_daily_report_level0_KSPT_L0_4504_N_20111214_0.PNG



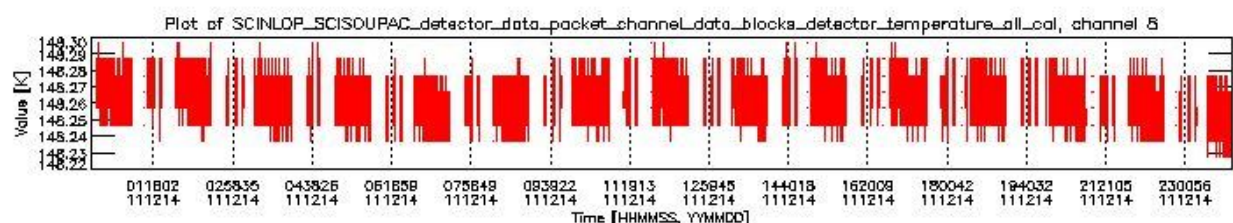
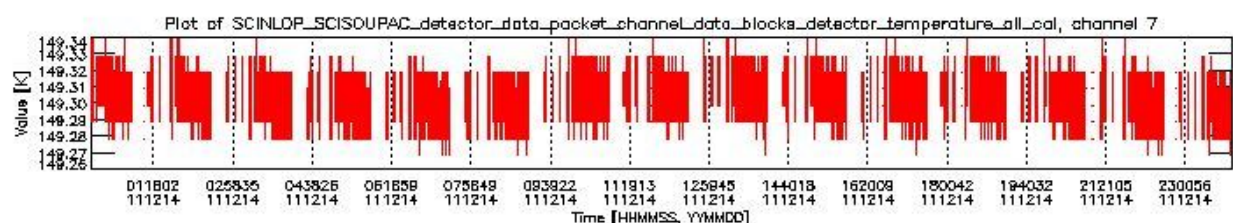
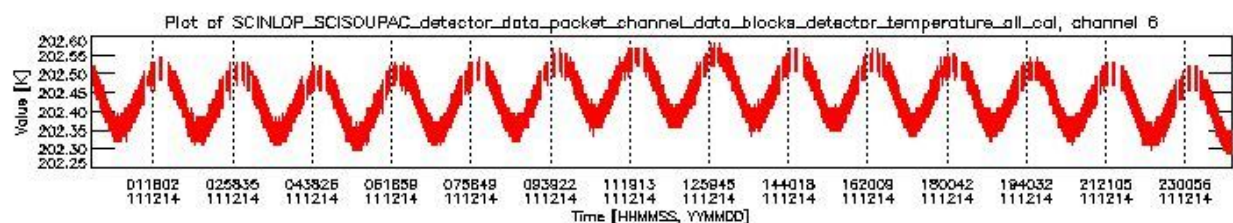
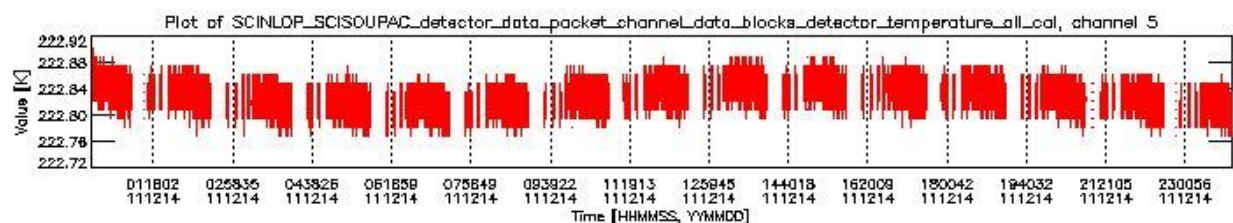
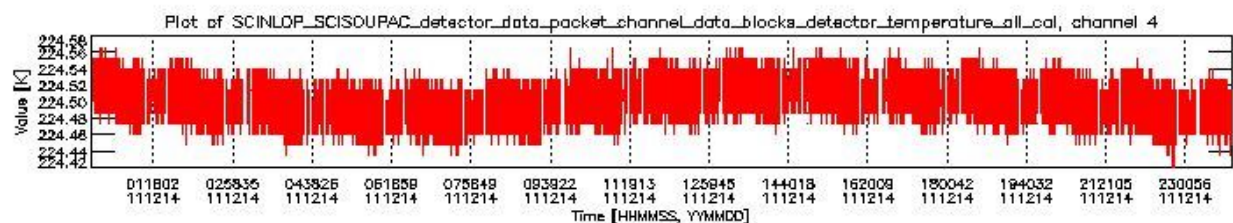
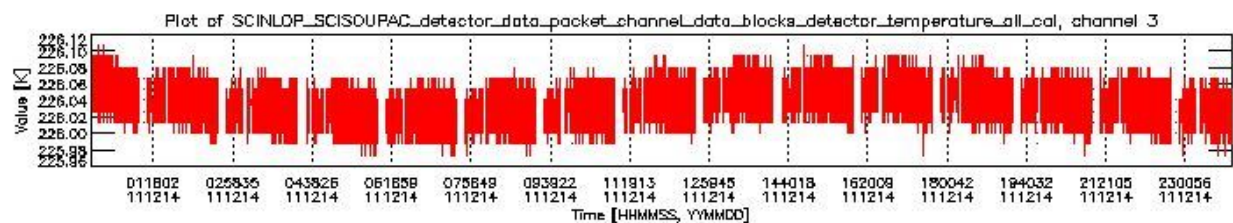
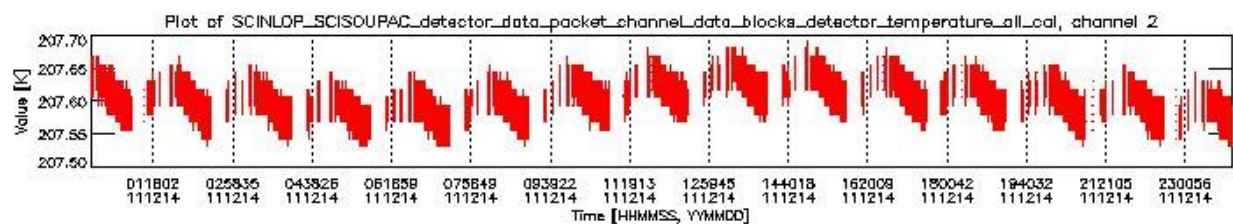
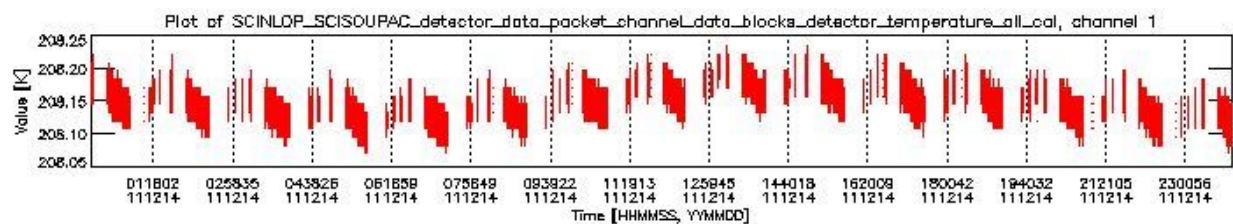
sciamachy_daily_report_level0_KSPT_L0_4504_N_20111214_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20111214_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20111214_3.PNG

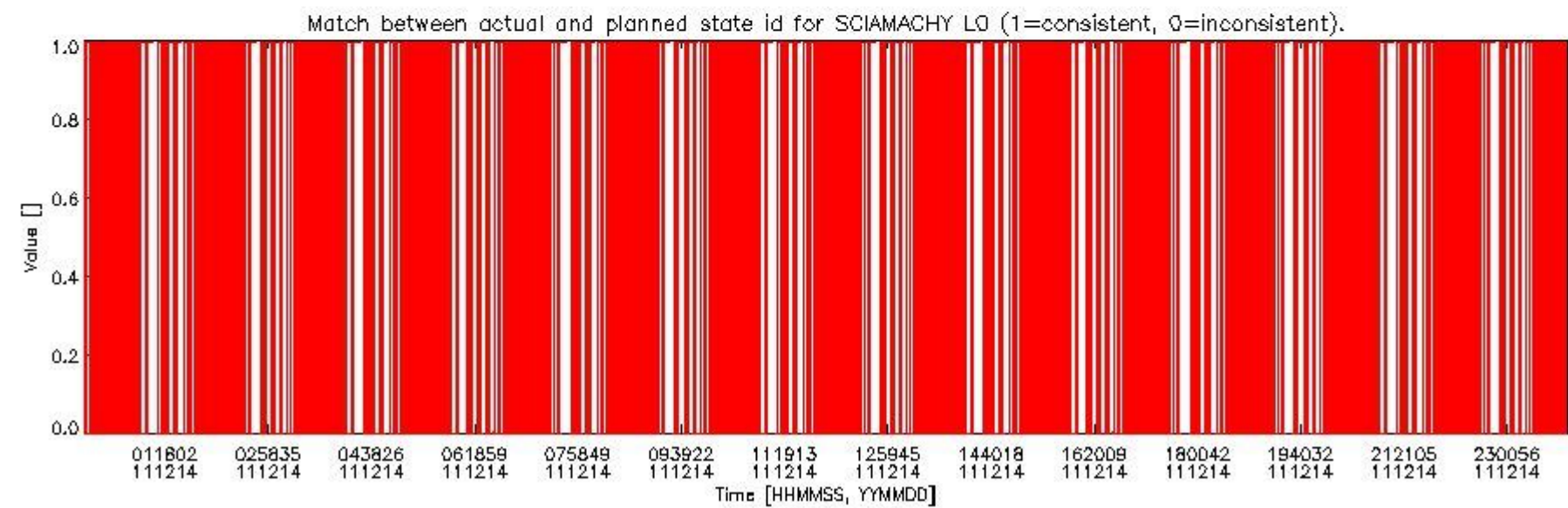
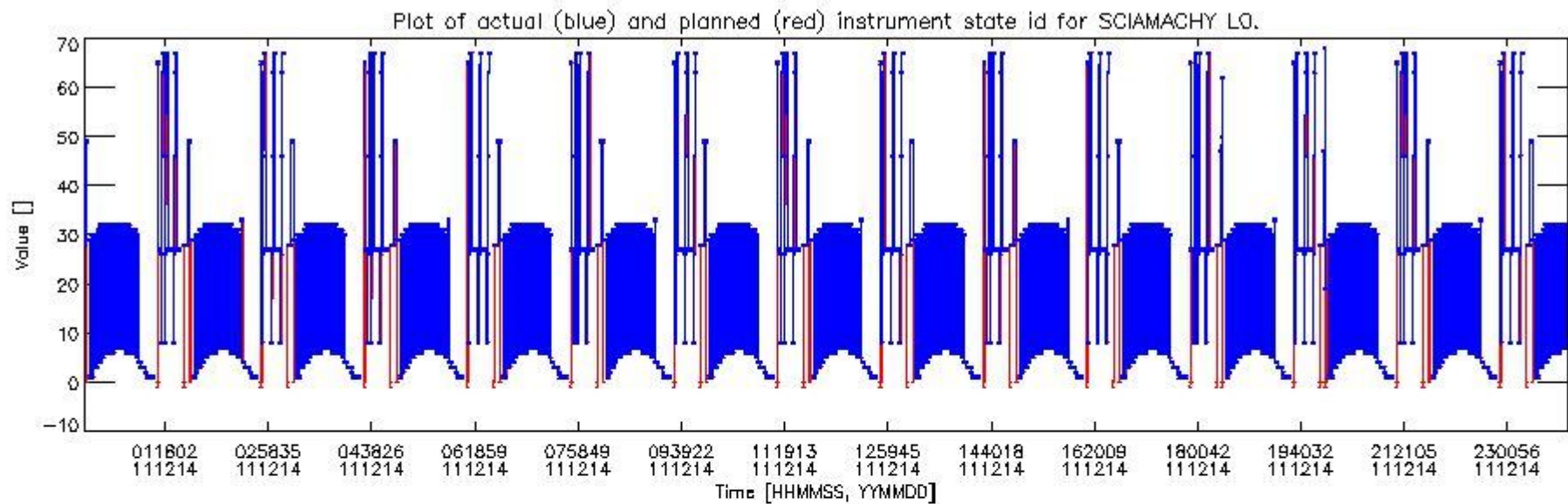


0.3 State monitoring

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: **46335**

#	Actual time	Actual value	Planned time	Planned value
0	14DEC2011 00:00:00.021018	49	14DEC2011 00:00:00.021018	28
1	14DEC2011 00:00:00.083518	49	14DEC2011 00:00:00.083518	28
2	14DEC2011 00:00:00.146018	49	14DEC2011 00:00:00.146018	28
3	14DEC2011 00:00:00.208518	49	14DEC2011 00:00:00.208518	28
4	14DEC2011 00:00:00.271018	49	14DEC2011 00:00:00.271018	28
5	14DEC2011 00:00:00.333518	49	14DEC2011 00:00:00.333518	28
6	14DEC2011 00:00:00.396018	49	14DEC2011 00:00:00.396018	28
7	14DEC2011 00:00:00.458518	49	14DEC2011 00:00:00.458518	28
8	14DEC2011 00:00:00.521018	49	14DEC2011 00:00:00.521018	28
9	14DEC2011 00:00:00.583518	49	14DEC2011 00:00:00.583518	28
10	14DEC2011 00:00:00.646018	49	14DEC2011 00:00:00.646018	28
11	14DEC2011 00:00:00.708518	49	14DEC2011 00:00:00.708518	28
12	14DEC2011 00:00:00.771018	49	14DEC2011 00:00:00.771018	28
13	14DEC2011 00:00:00.833518	49	14DEC2011 00:00:00.833518	28
14	14DEC2011 00:00:00.896018	49	14DEC2011 00:00:00.896018	28
15	14DEC2011 00:00:00.958518	49	14DEC2011 00:00:00.958518	28
16	14DEC2011 00:00:01.021018	49	14DEC2011 00:00:01.021018	28
17	14DEC2011 00:00:01.083518	49	14DEC2011 00:00:01.083518	28
18	14DEC2011 00:00:01.146018	49	14DEC2011 00:00:01.146018	28
19	14DEC2011 00:00:01.208518	49	14DEC2011 00:00:01.208518	28

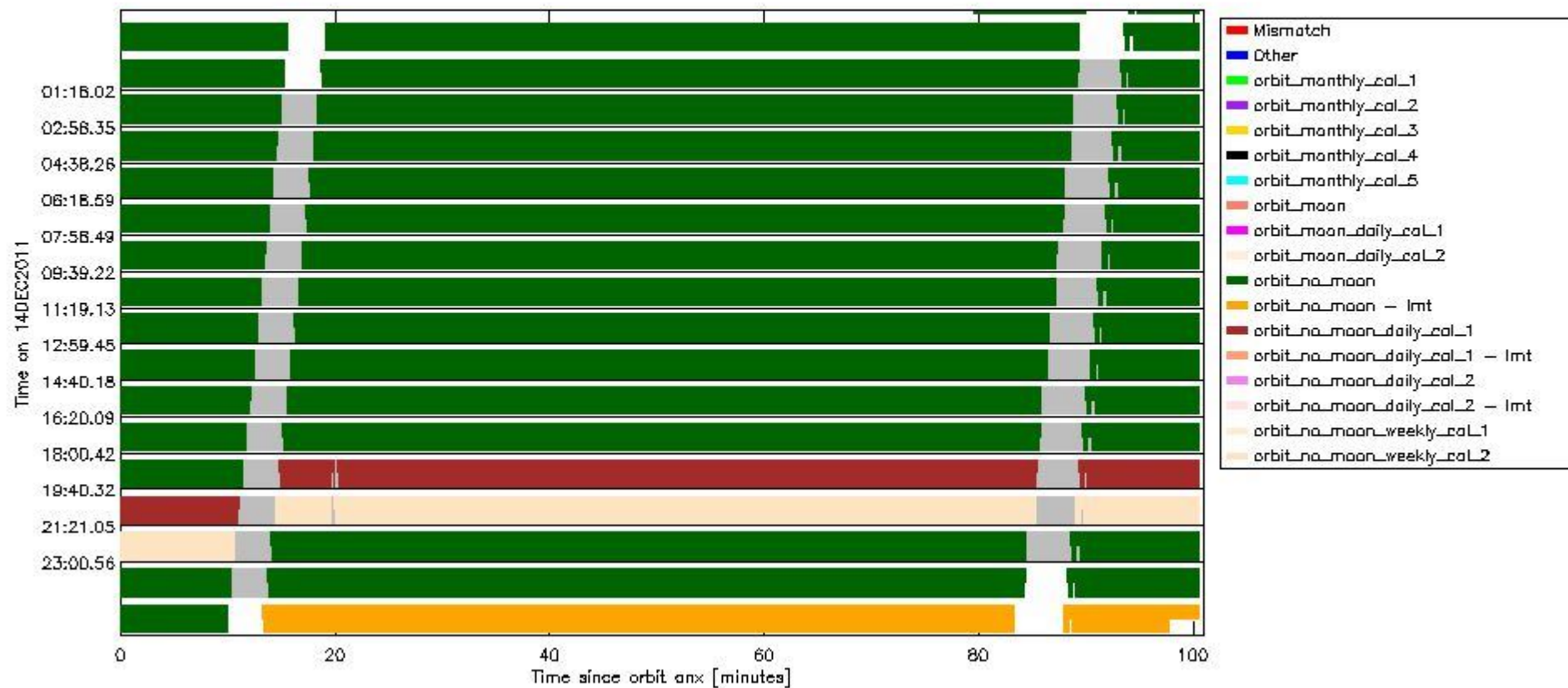


sciamachy_daily_report_level0_KSPT_L0_4504_N_20111214_5.PNG

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 14DEC2011.
 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_20111214_6.PNG

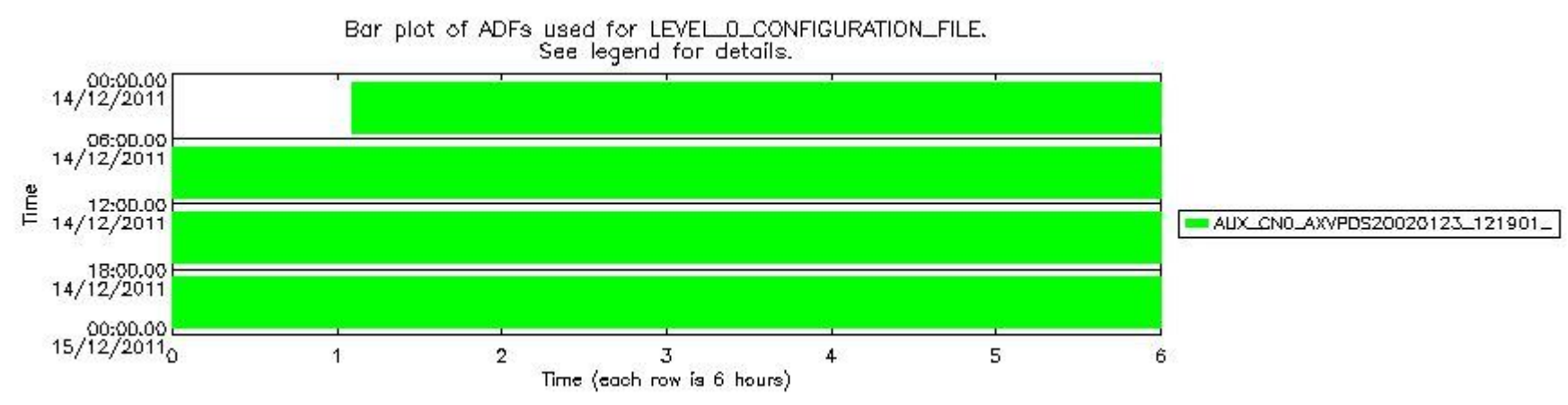
0.4 ADF monitoring

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

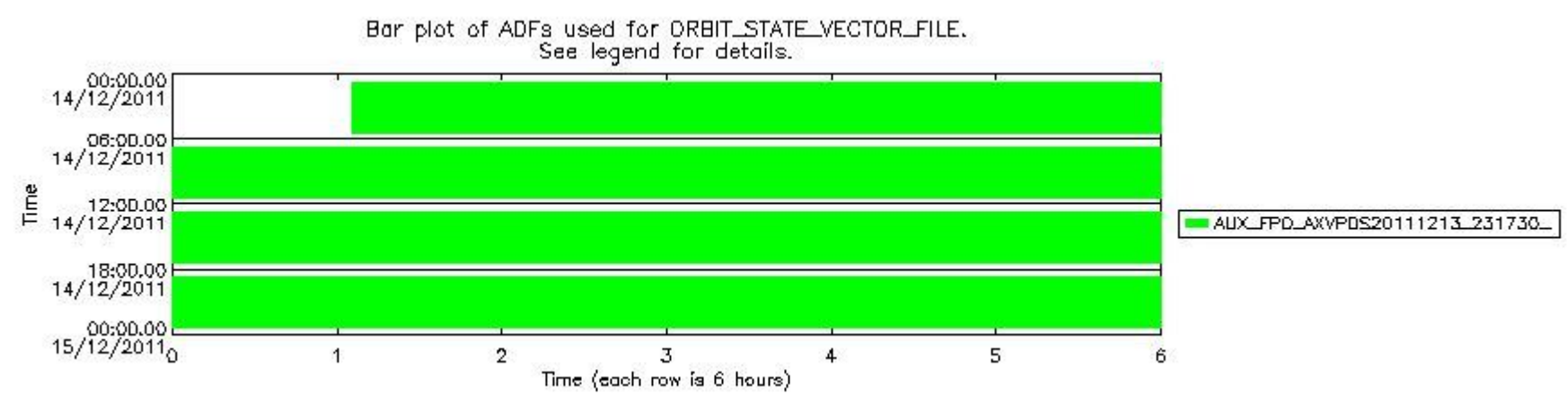
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

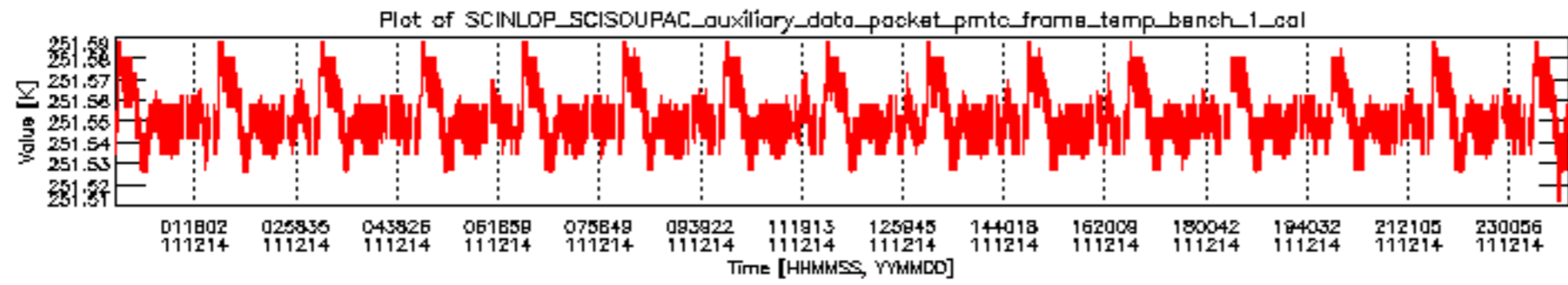
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20111213_231730_20111213_183713_20111223_205053

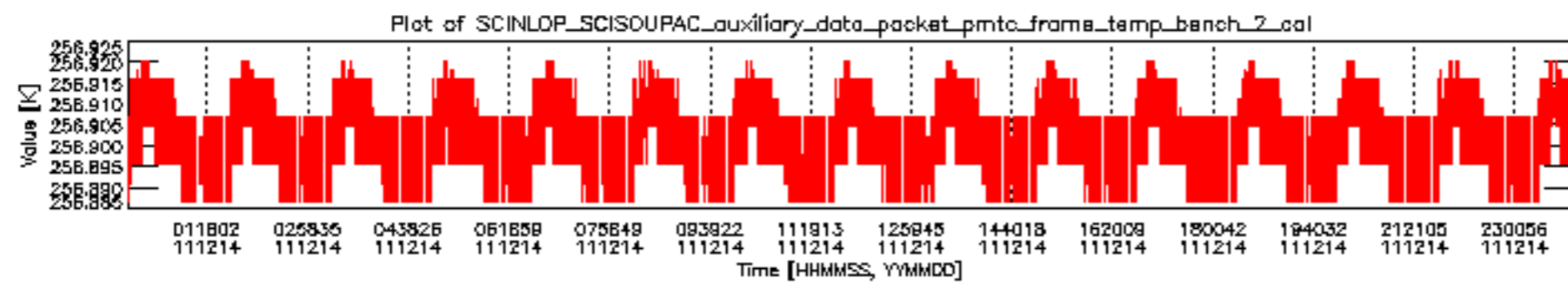


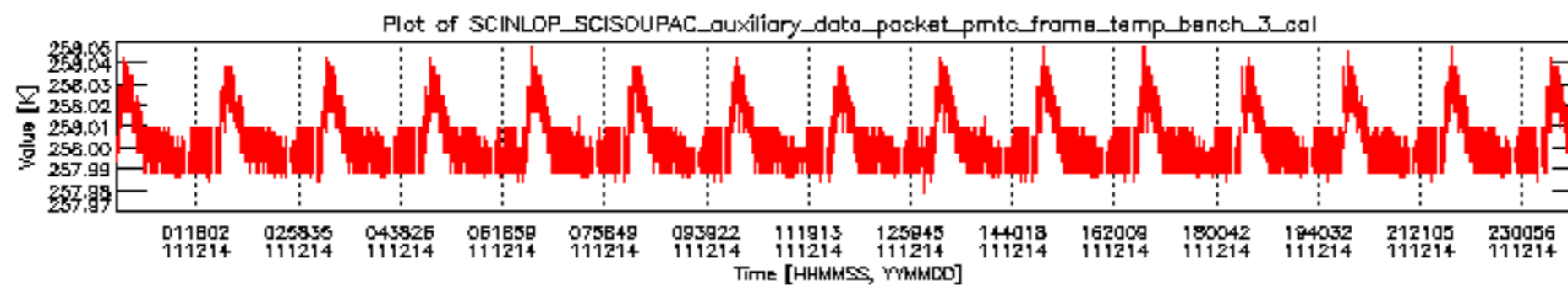
sciamachy_daily_report_level0_KSPT_L0_4504_N_20111214_7.PNG

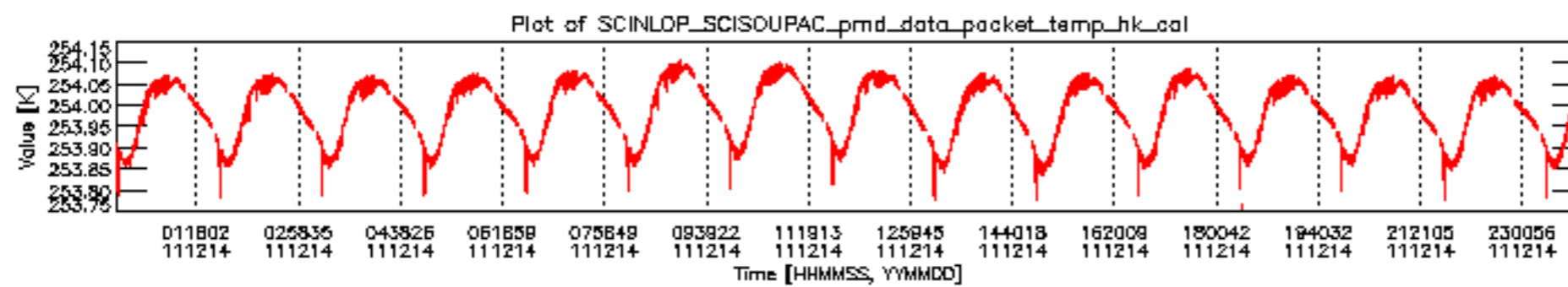


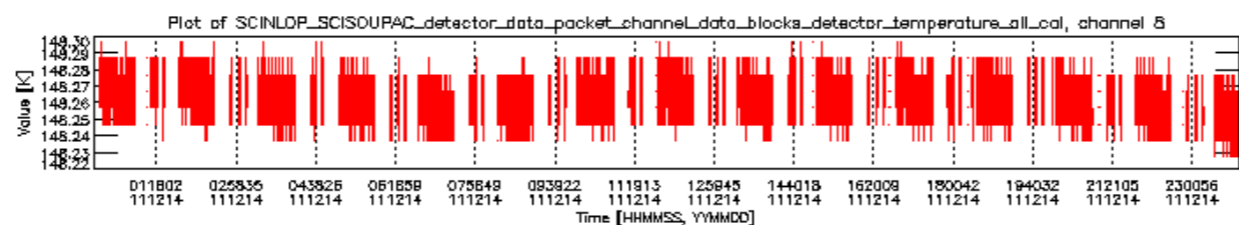
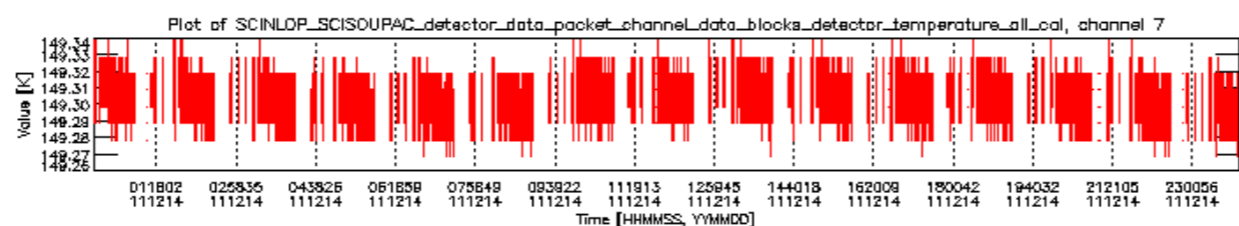
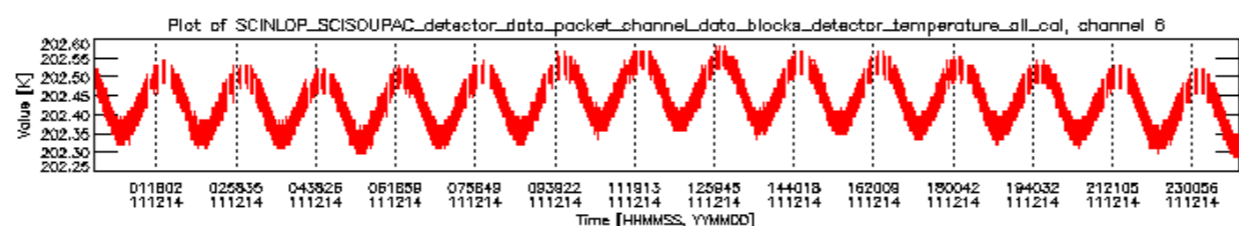
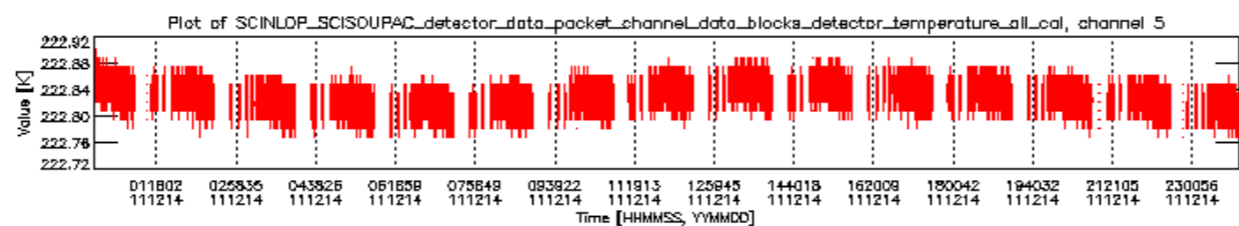
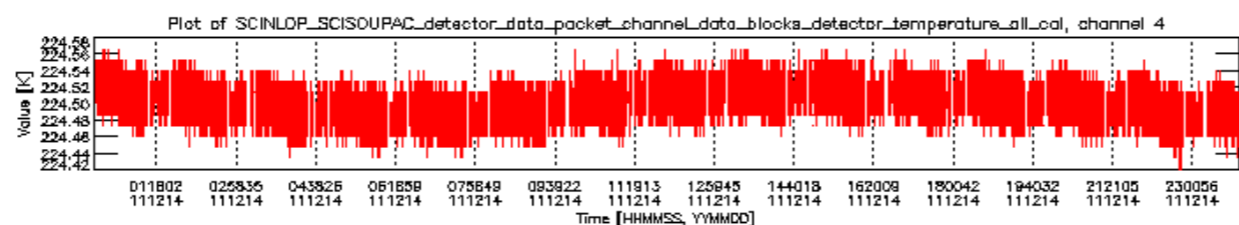
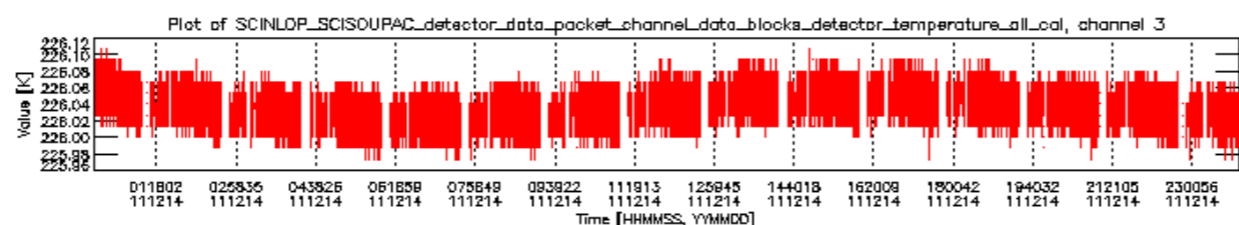
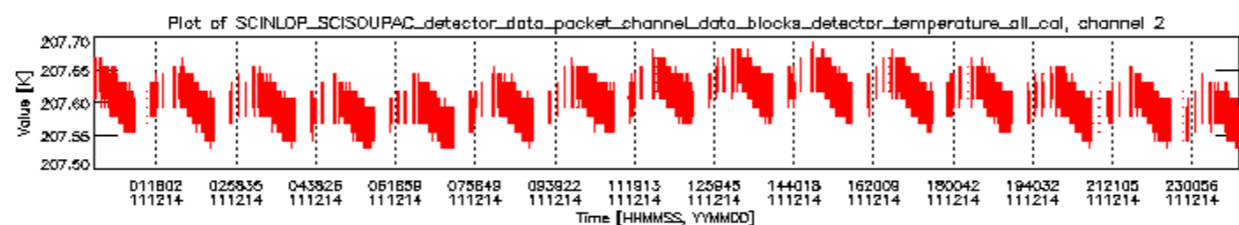
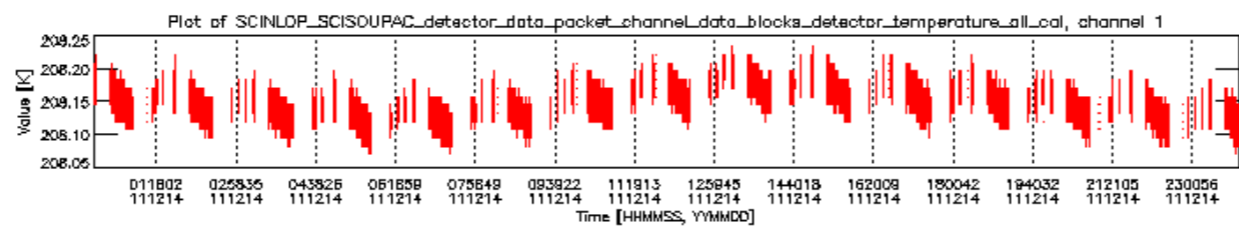
sciamachy_daily_report_level0_KSPT_L0_4504_N_20111214_8.PNG

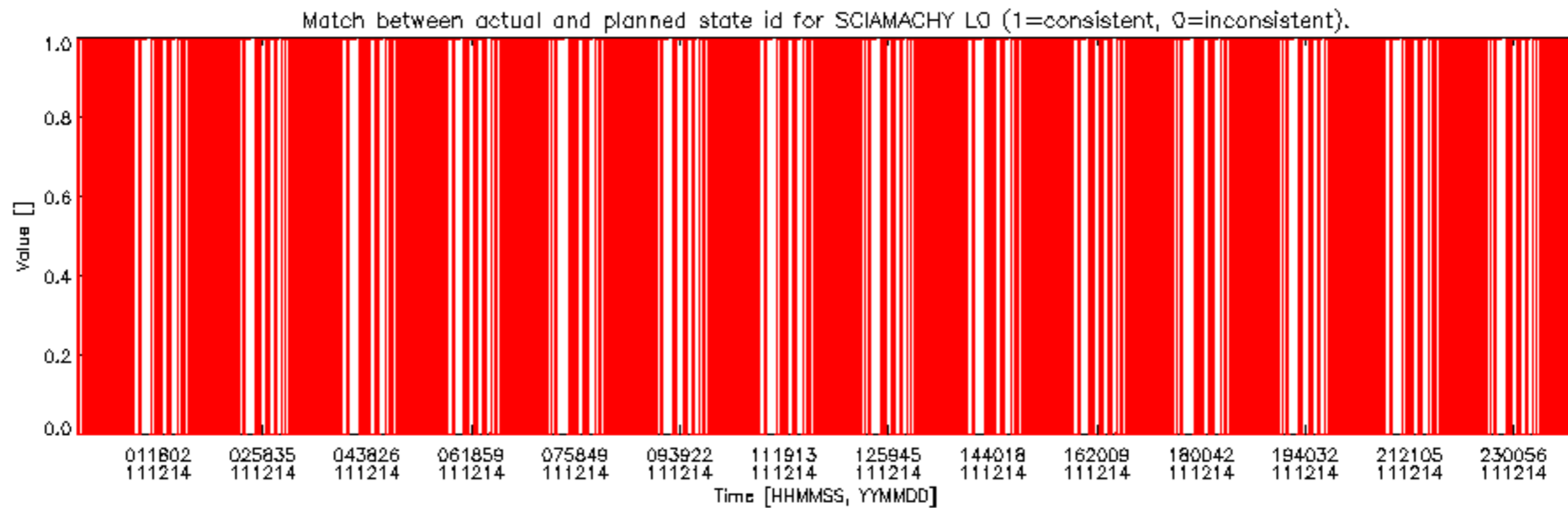
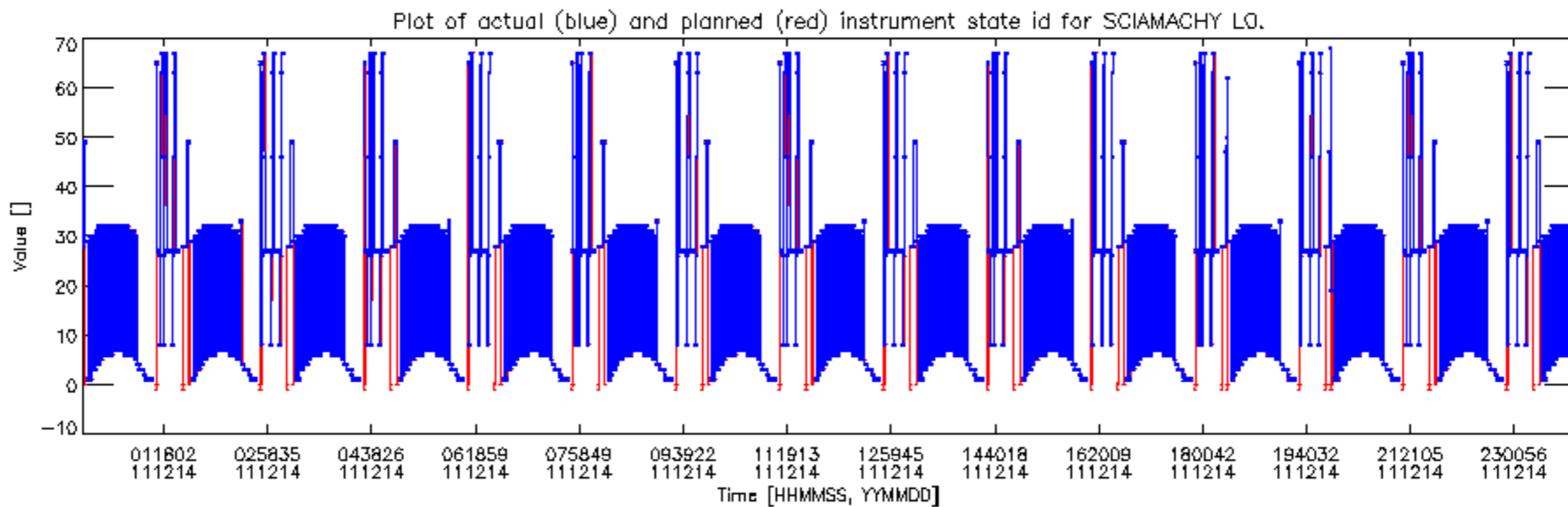












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 14DEC2011.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

