

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	04JAN2012 03:12:22
Data source version	KSPT_L0/4504-N
Processing scope for products	28DEC2011 00:00:00 to 29DEC2011 00:00:00
Start time of first product within scope	28DEC2011 00:52:06
Stop time of last product within scope	29DEC2011 00:15:20
Total number of Level 0 products	15
Number of Level 0 products with errors	0

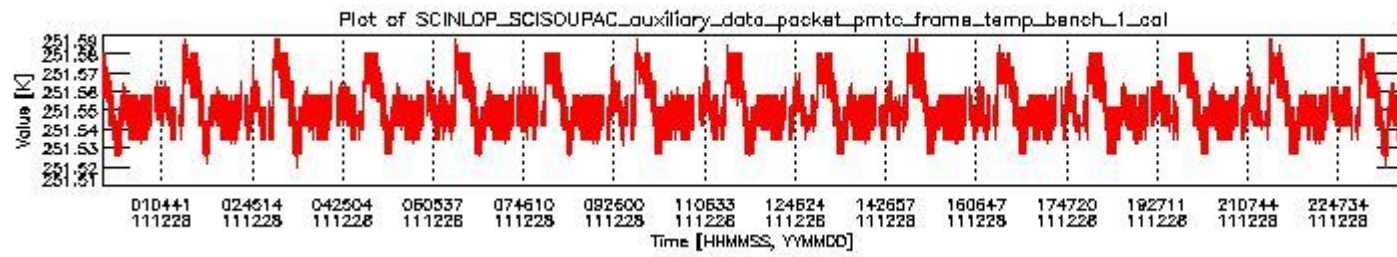
0.1.2 Summary per product

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

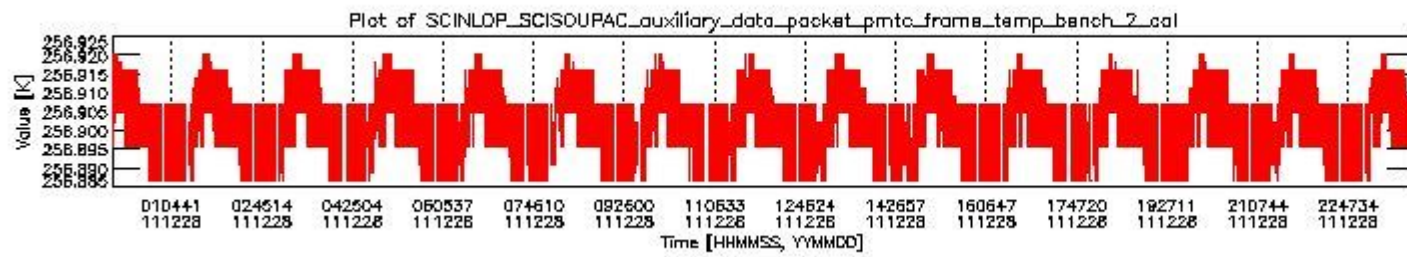
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20111228_005206_000058223110_00088_51395_4587.N1	28DEC2011 00:52:06	28DEC2011 02:29:09	0	0	0	0	0
1	SCI_NL__OPNPDE20111228_022800_000045383110_00089_51396_4588.N1	28DEC2011 02:28:00	28DEC2011 03:43:38	0	0	0	0	0
2	SCI_NL__OPNPDE20111228_034338_000061513110_00090_51397_4589.N1	28DEC2011 03:43:38	28DEC2011 05:26:09	0	0	0	0	0
3	SCI_NL__OPNPDE20111228_052500_000060683110_00091_51398_4590.N1	28DEC2011 05:25:00	28DEC2011 07:06:08	0	0	0	0	0
4	SCI_NL__OPNPDK20111228_070514_000040503110_00092_51399_6775.N1	28DEC2011 07:05:14	28DEC2011 08:12:44	0	0	0	0	0
5	SCI_NL__OPNPDK20111228_081150_000062453110_00093_51400_6776.N1	28DEC2011 08:11:50	28DEC2011 09:55:55	0	0	0	0	0
6	SCI_NL__OPNPDK20111228_095352_000058513110_00094_51401_6777.N1	28DEC2011 09:53:52	28DEC2011 11:31:23	0	0	0	0	0
7	SCI_NL__OPNPDK20111228_113029_000061223110_00095_51402_6778.N1	28DEC2011 11:30:29	28DEC2011 13:12:31	0	0	0	0	0
8	SCI_NL__OPNPDK20111228_131137_000058223110_00096_51403_6779.N1	28DEC2011 13:11:37	28DEC2011 14:48:39	0	0	0	0	0
9	SCI_NL__OPNPDK20111228_144839_000060143110_00097_51404_6780.N1	28DEC2011 14:48:39	28DEC2011 16:28:53	0	0	0	0	0
10	SCI_NL__OPNPDK20111228_162758_000059063110_00098_51405_6781.N1	28DEC2011 16:27:58	28DEC2011 18:06:23	0	0	0	0	0
11	SCI_NL__OPNPDK20111228_180529_000057343110_00099_51406_6782.N1	28DEC2011 18:05:29	28DEC2011 19:41:03	0	0	0	0	0
12	SCI_NL__OPNPDE20111228_194019_000043543110_00100_51407_4591.N1	28DEC2011 19:40:19	28DEC2011 20:52:53	0	0	0	0	0
13	SCI_NL__OPNPDE20111228_205144_000062173110_00100_51407_4592.N1	28DEC2011 20:51:44	28DEC2011 22:35:21	0	0	0	0	0
14	SCI_NL__OPNPDE20111228_223521_000059993110_00101_51408_4593.N1	28DEC2011 22:35:21	29DEC2011 00:15:20	0	0	0	0	0

0.2 Product Quality Indicators

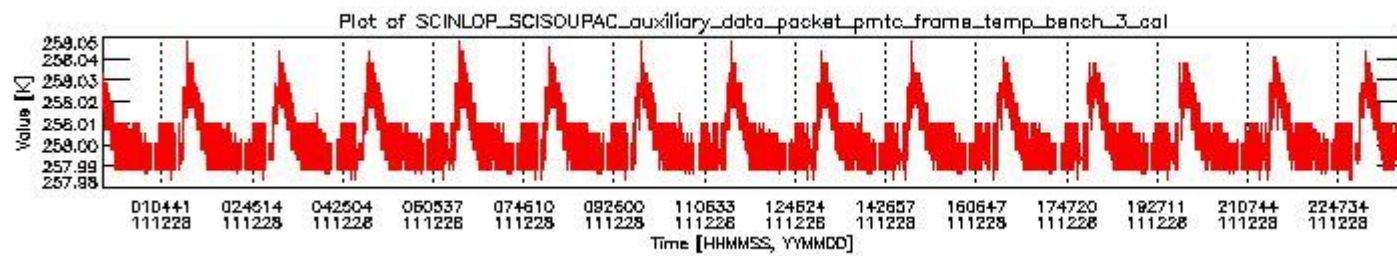
This section shows information about product quality, currently temperatures.



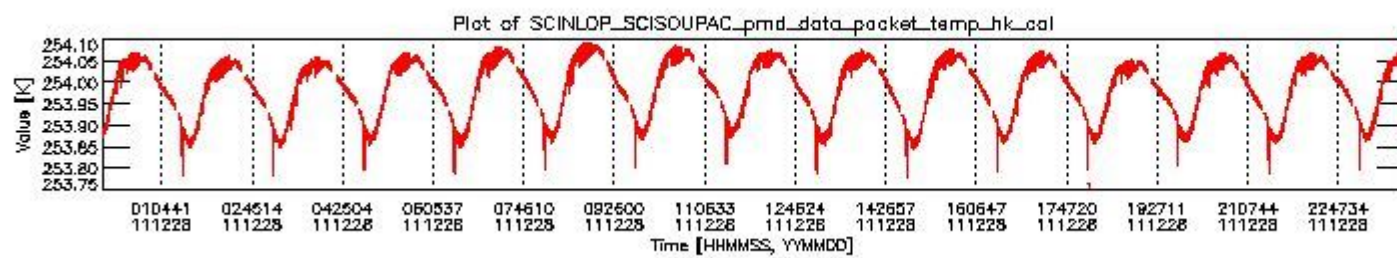
sciamachy_daily_report_level0_KSPT_L0_4504_N_20111228_0.PNG



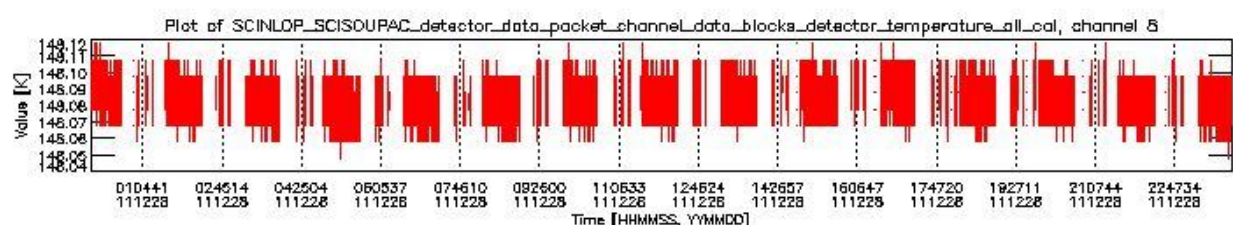
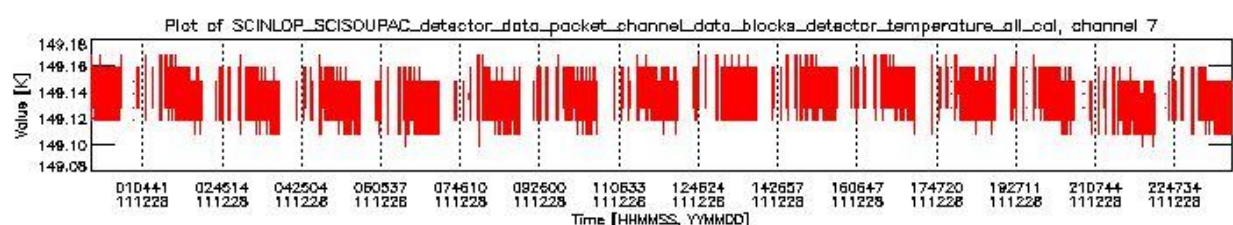
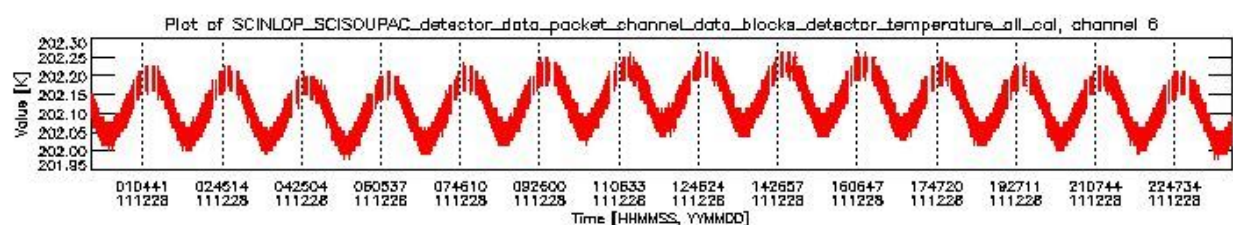
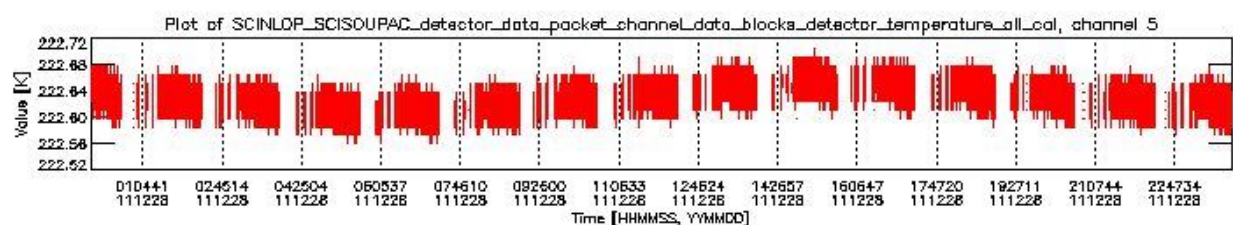
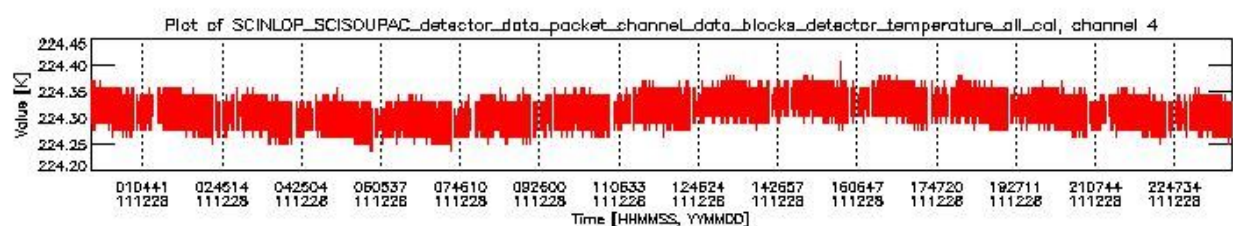
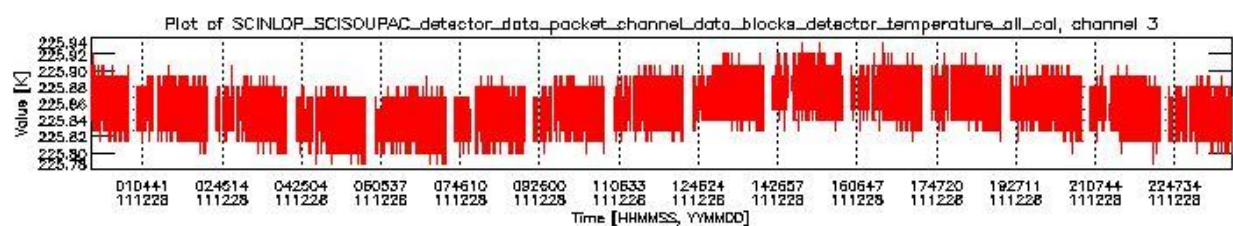
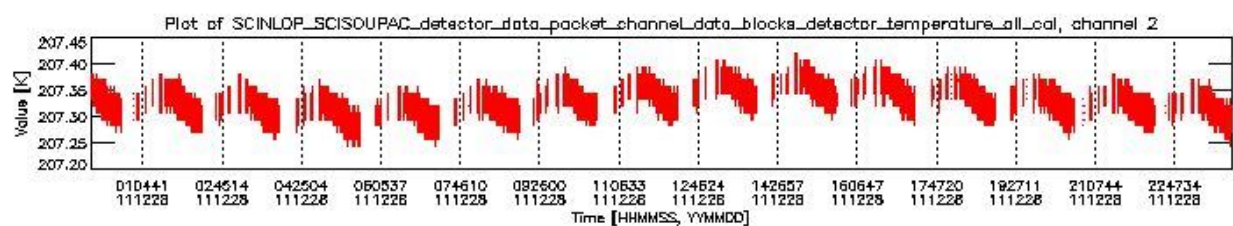
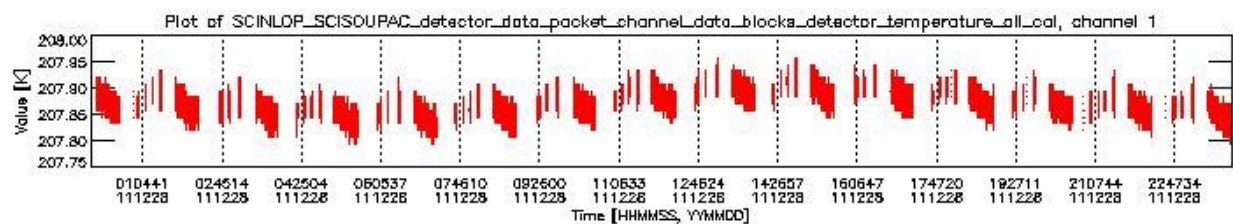
sciamachy_daily_report_level0_KSPT_L0_4504_N_20111228_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20111228_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20111228_3.PNG

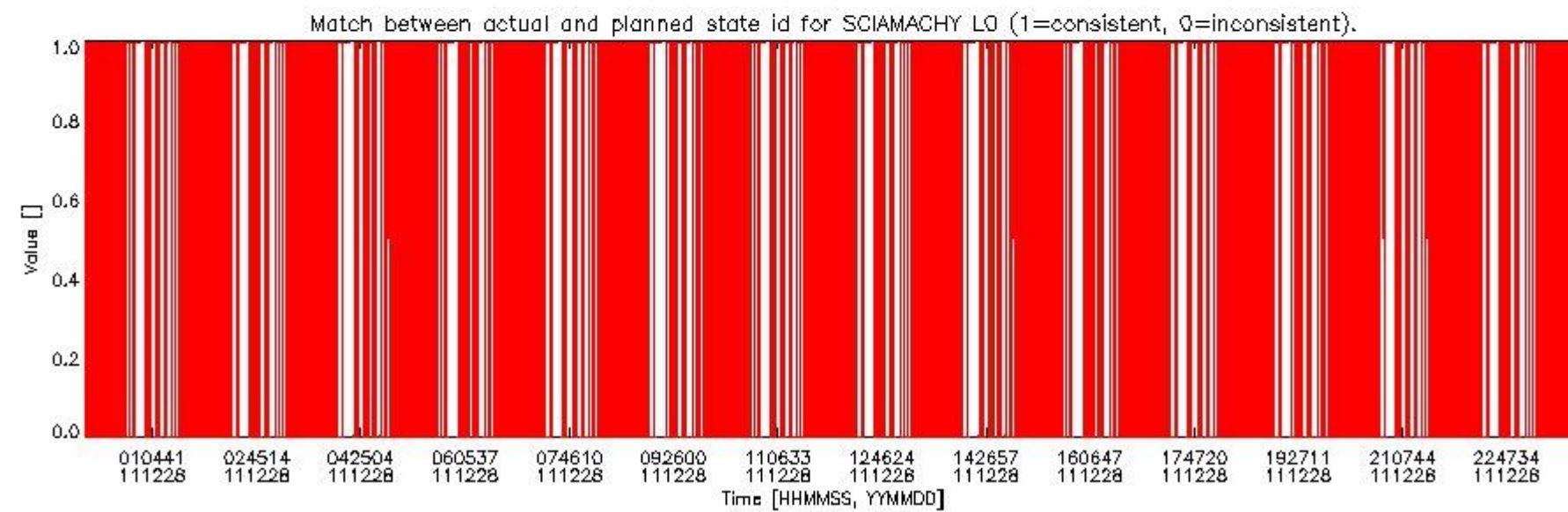
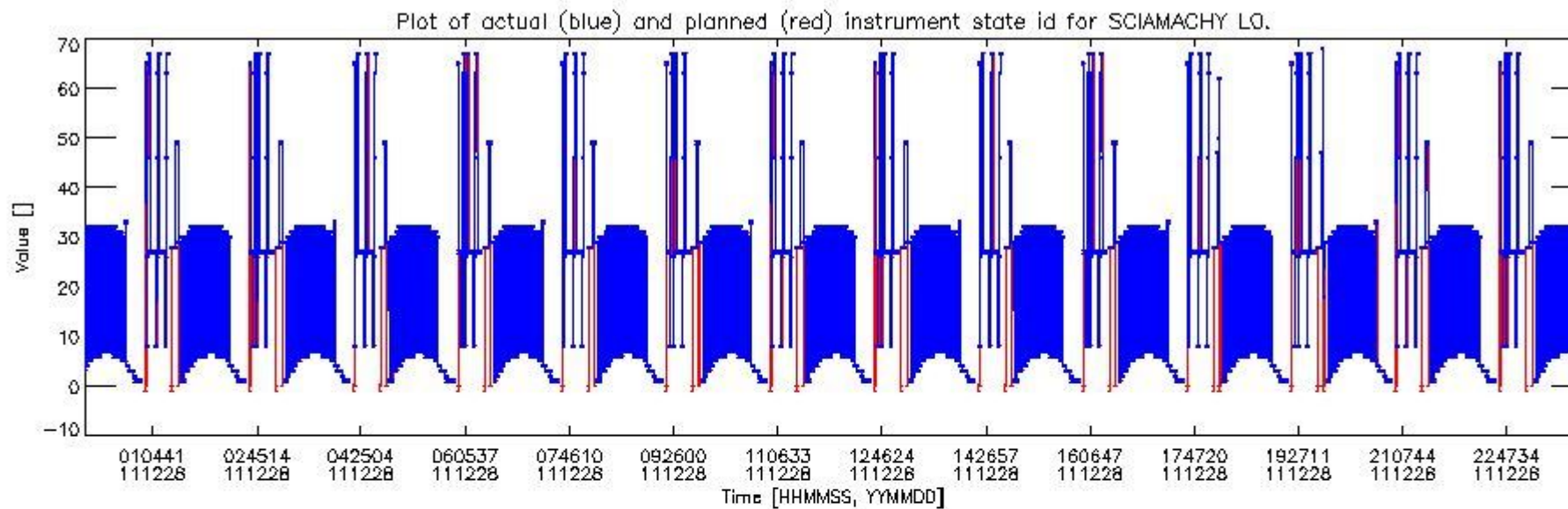


0.3 State monitoring

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: **46146**

#	Actual time	Actual value	Planned time	Planned value
0	28DEC2011 00:00:40.382021	4	28DEC2011 00:00:40.382021	31
1	28DEC2011 00:00:40.632021	4	28DEC2011 00:00:40.632021	31
2	28DEC2011 00:00:40.757021	4	28DEC2011 00:00:40.757021	31
3	28DEC2011 00:00:40.882021	4	28DEC2011 00:00:40.882021	31
4	28DEC2011 00:00:41.007021	4	28DEC2011 00:00:41.007021	31
5	28DEC2011 00:00:41.132021	4	28DEC2011 00:00:41.132021	31
6	28DEC2011 00:00:41.257021	4	28DEC2011 00:00:41.257021	31
7	28DEC2011 00:00:41.382021	4	28DEC2011 00:00:41.382021	31
8	28DEC2011 00:00:41.507021	4	28DEC2011 00:00:41.507021	31
9	28DEC2011 00:00:41.632021	4	28DEC2011 00:00:41.632021	31
10	28DEC2011 00:00:41.757021	4	28DEC2011 00:00:41.757021	31
11	28DEC2011 00:00:41.882021	4	28DEC2011 00:00:41.882021	31
12	28DEC2011 00:00:42.007021	4	28DEC2011 00:00:42.007021	31
13	28DEC2011 00:00:42.132021	4	28DEC2011 00:00:42.132021	31
14	28DEC2011 00:00:42.257021	4	28DEC2011 00:00:42.257021	31
15	28DEC2011 00:00:42.382021	4	28DEC2011 00:00:42.382021	31
16	28DEC2011 00:00:42.507021	4	28DEC2011 00:00:42.507021	31
17	28DEC2011 00:00:42.632021	4	28DEC2011 00:00:42.632021	31
18	28DEC2011 00:00:42.757021	4	28DEC2011 00:00:42.757021	31
19	28DEC2011 00:00:42.882021	4	28DEC2011 00:00:42.882021	31

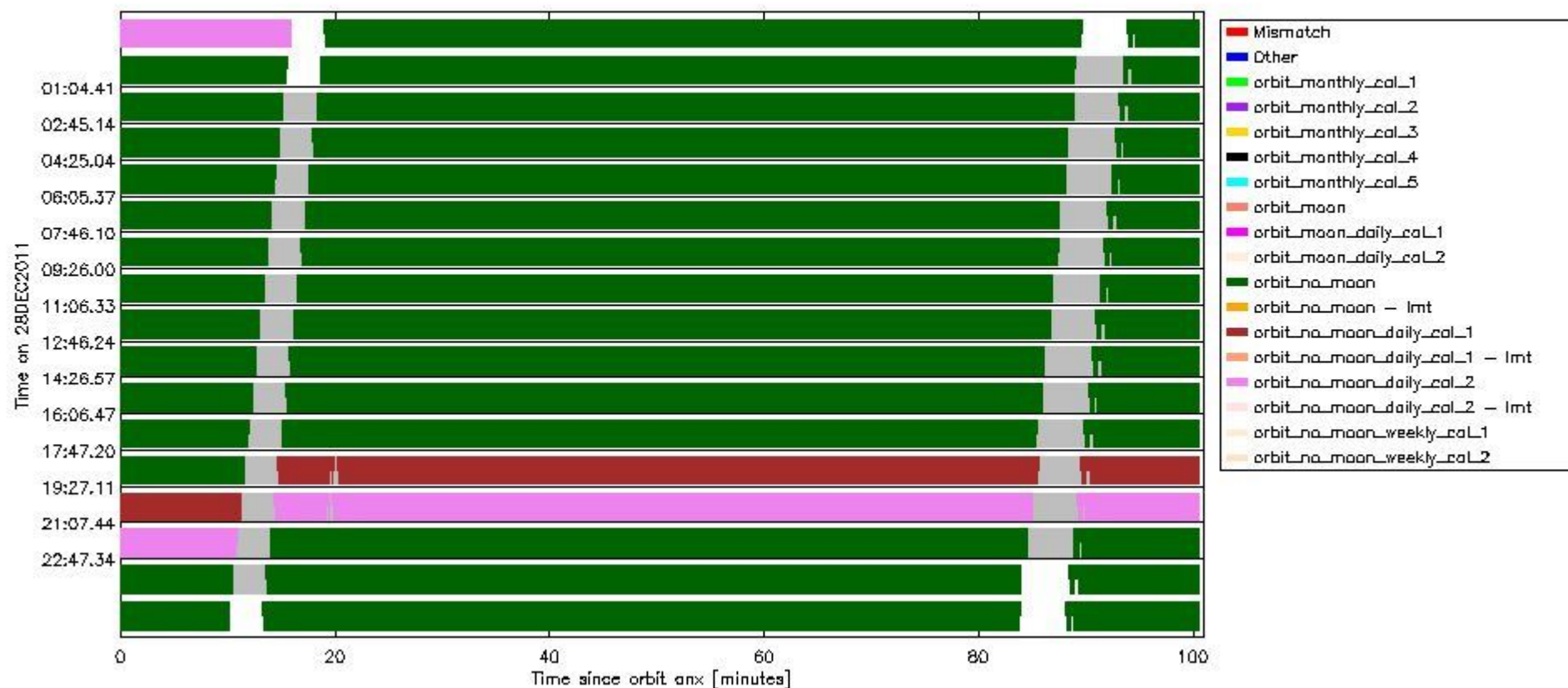


sciamachy_daily_report_level0_KSPT_L0_4504_N_20111228_5.PNG

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 28DEC2011.
 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_20111228_6.PNG

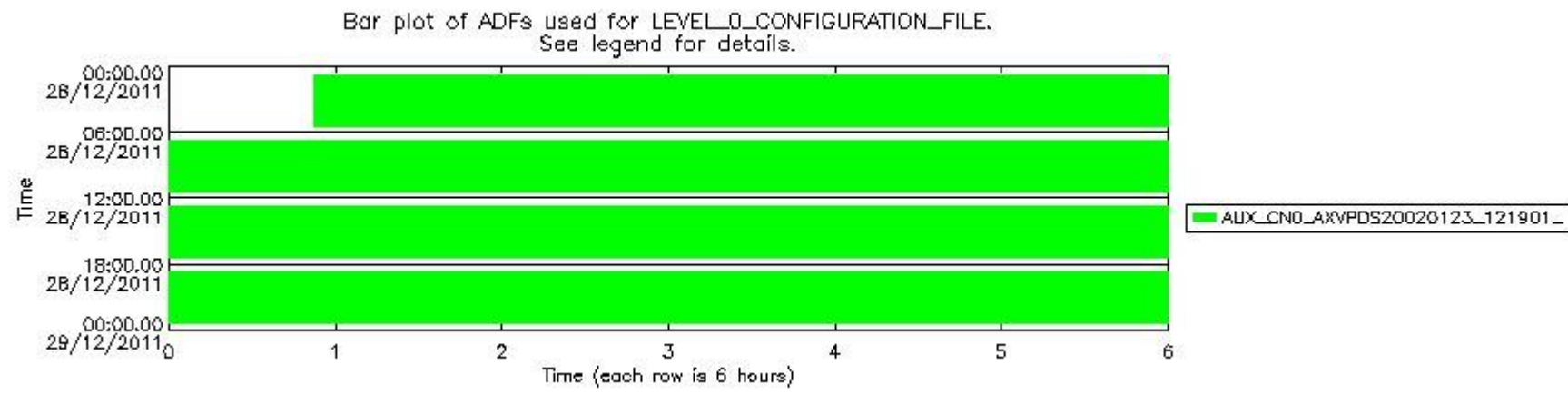
0.4 ADF monitoring

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

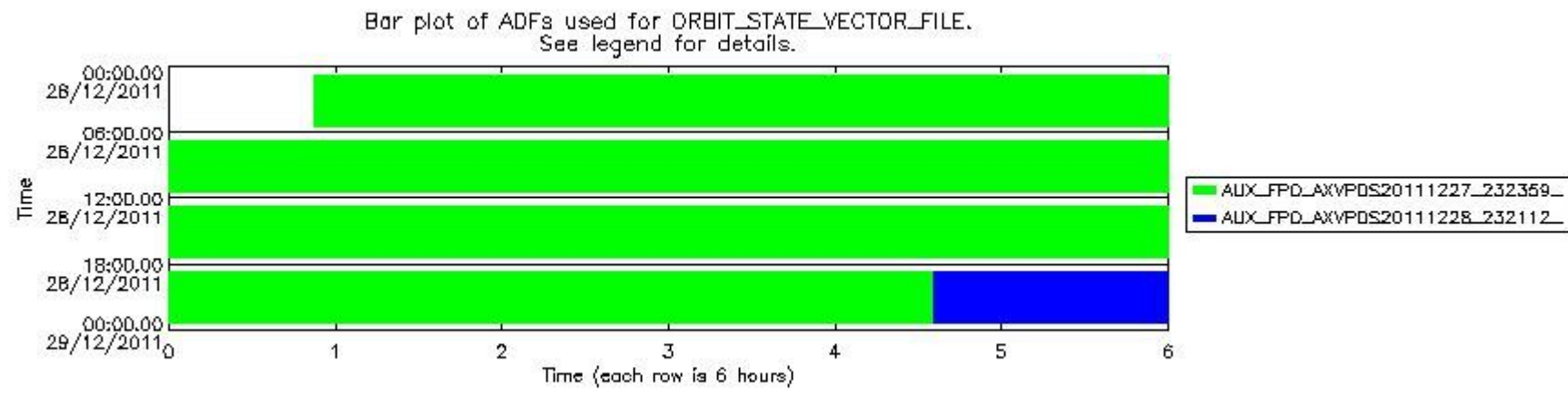
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

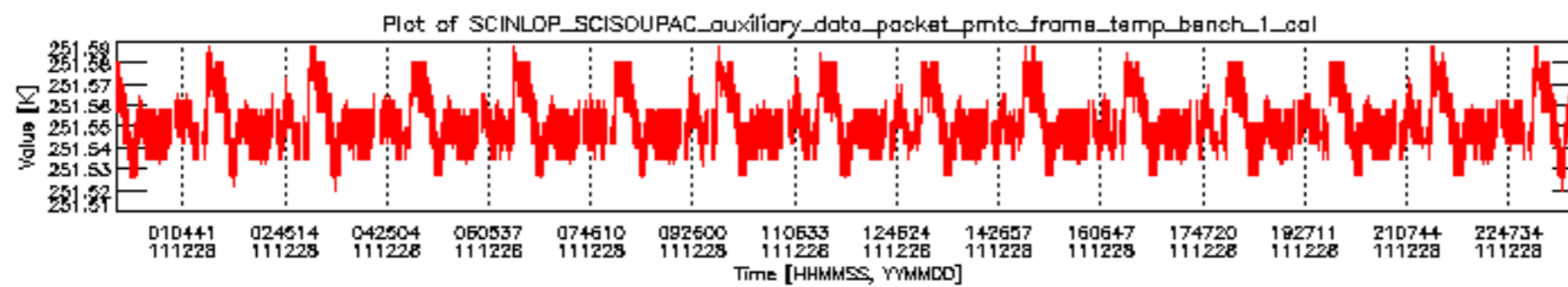
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20111227_232359_20111227_182354_20120106_203736
2	AUX_FPO_AXVPDS20111228_232112_20111228_192723_20120107_200051

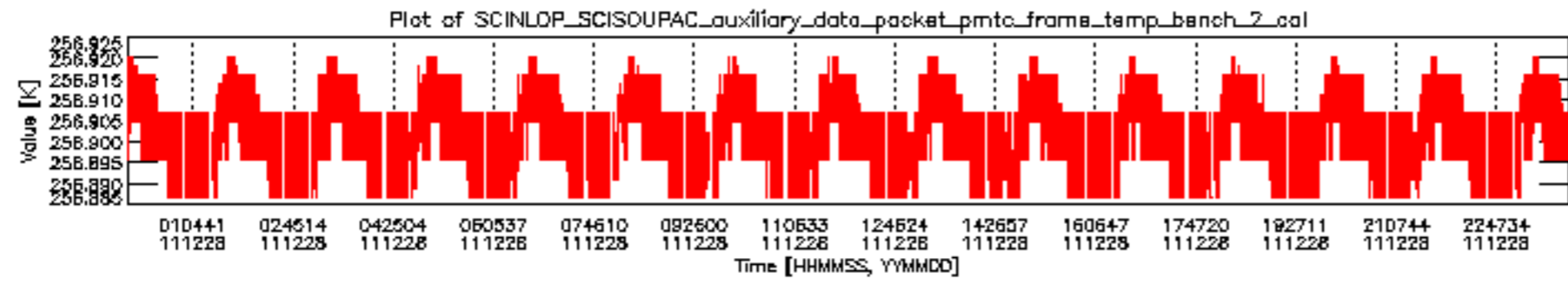


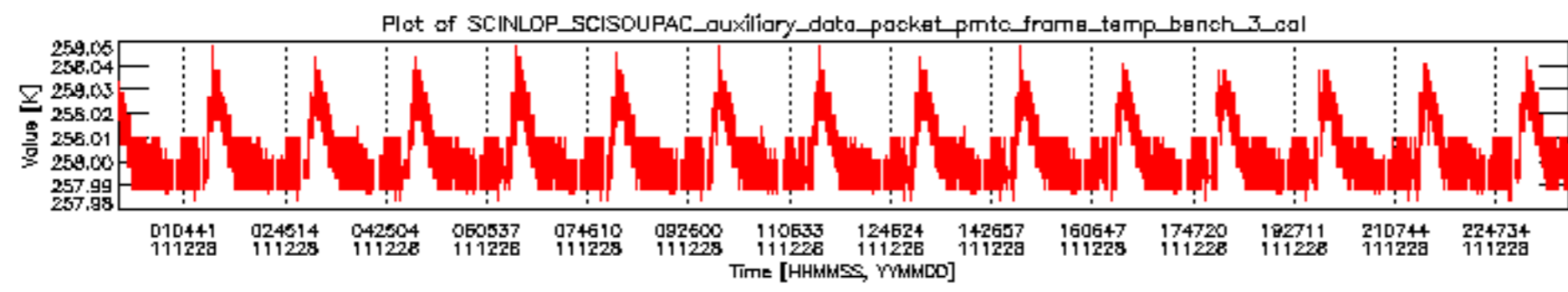
sciamachy_daily_report_level0_KSPT_L0_4504_N_20111228_7.PNG

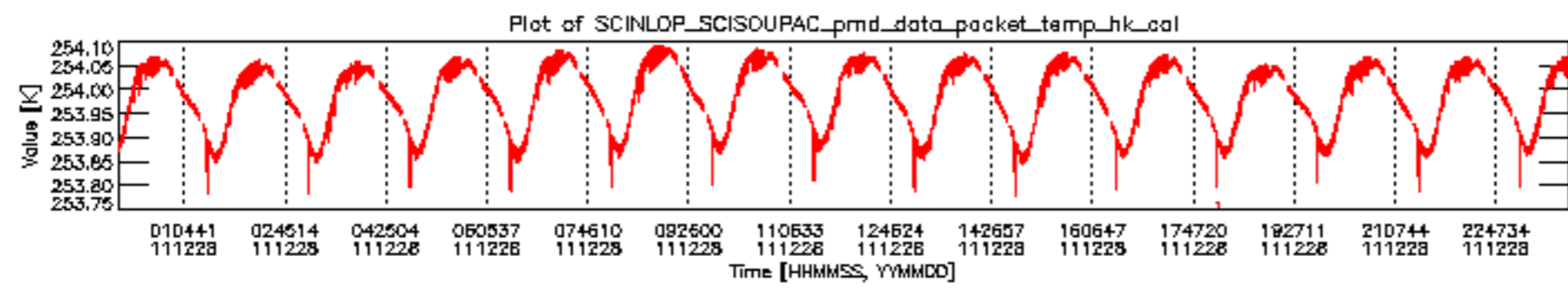


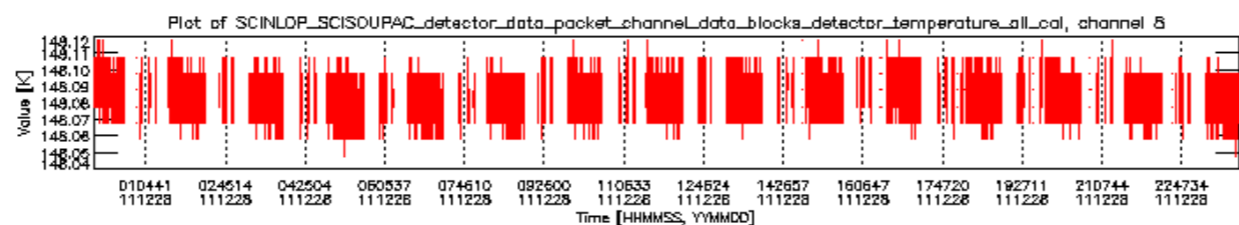
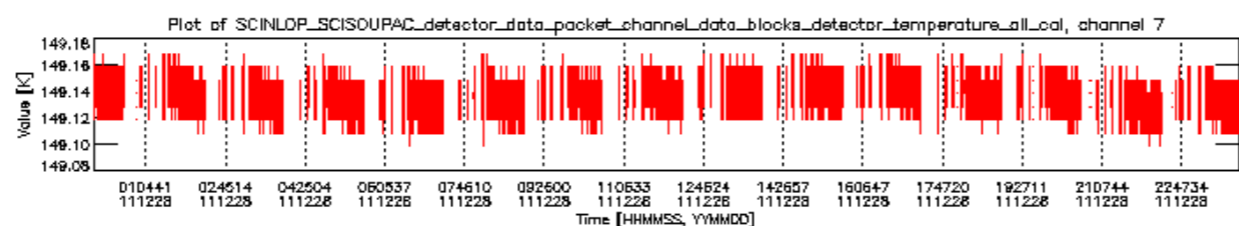
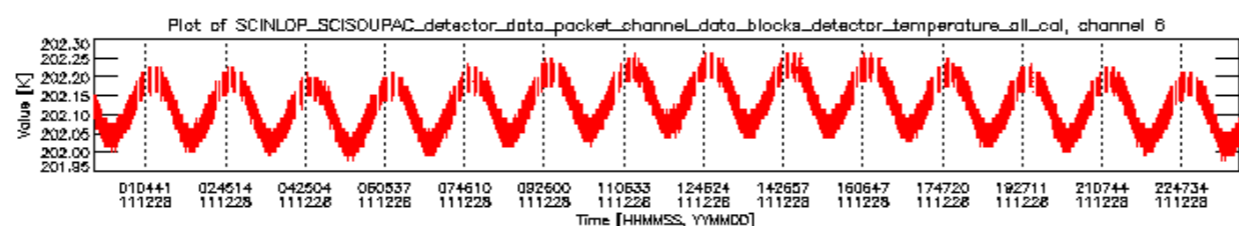
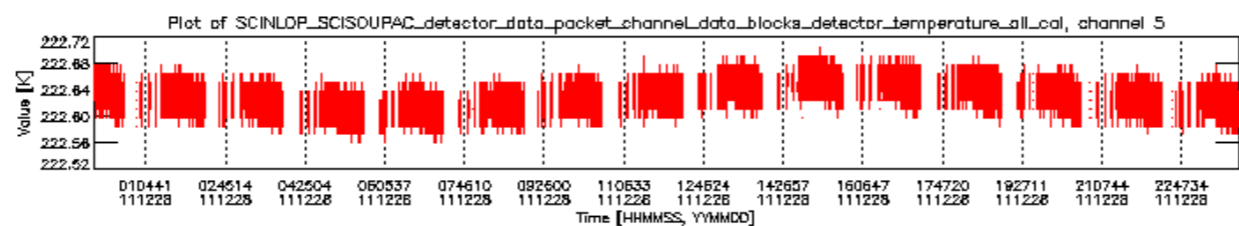
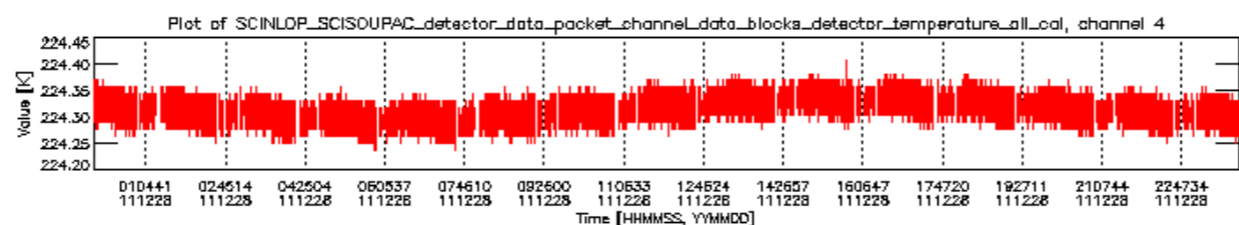
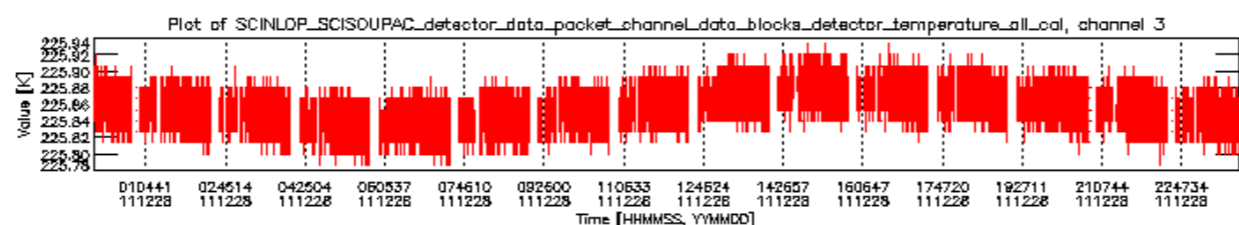
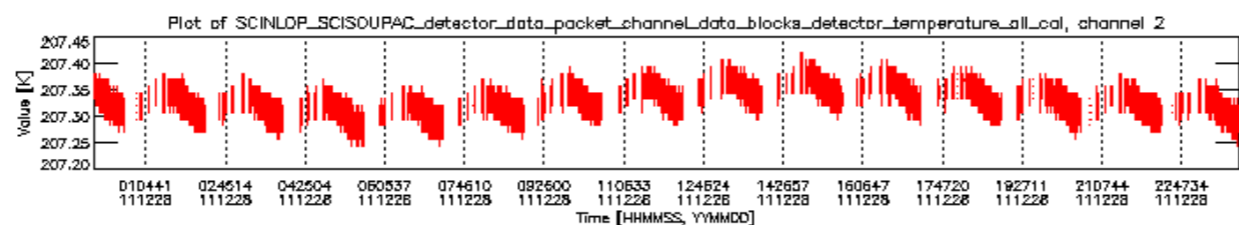
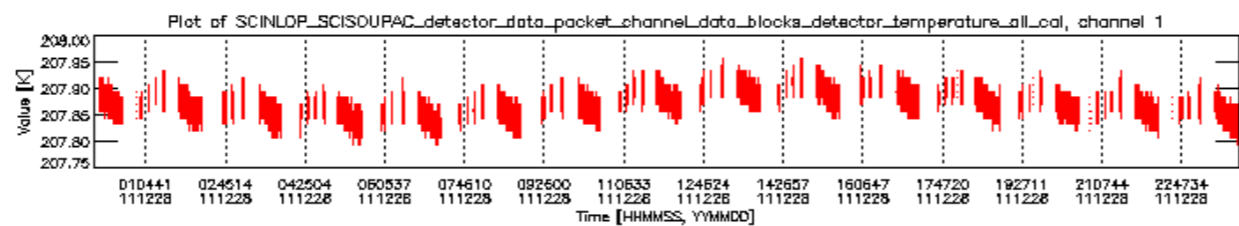
sciamachy_daily_report_level0_KSPT_L0_4504_N_20111228_8.PNG











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