

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	04AUG2011 03:00:18
Data source version	KSPT_L0/4504-N
Processing scope for products	28JUL2011 00:00:00 to 29JUL2011 00:00:00
Start time of first product within scope	28JUL2011 01:02:47
Stop time of last product within scope	29JUL2011 00:26:07
Total number of Level 0 products	15
Number of Level 0 products with errors	1

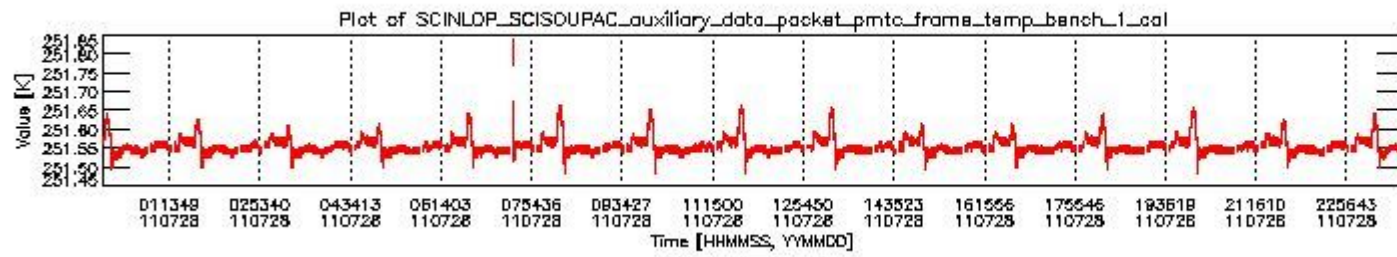
0.1.2 Summary per product

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

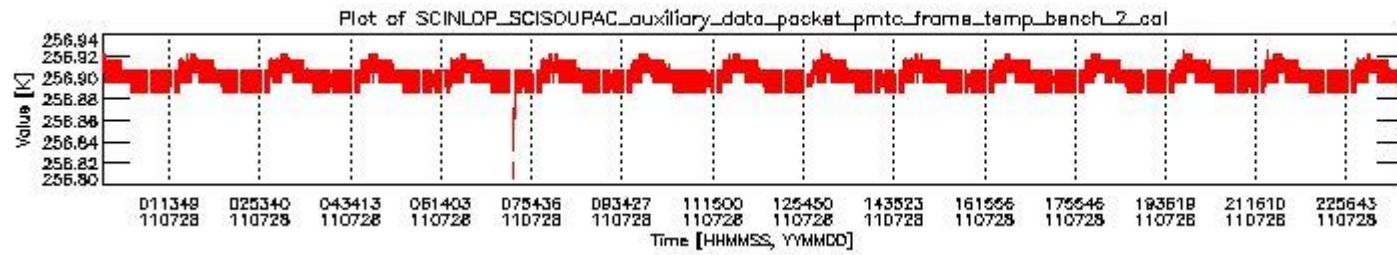
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20110728_010247_000102023105_00045_49197_6850.N1	28JUL2011 01:02:47	28JUL2011 03:52:49	0	0	0	0	0
1	SCI_NL__OPNPDE20110728_023257_000047923105_00046_49198_6853.N1	28JUL2011 02:32:57	28JUL2011 03:52:49	0	0	0	0	0
2	SCI_NL__OPNPDE20110728_035140_000062063105_00047_49199_6851.N1	28JUL2011 03:51:40	28JUL2011 05:35:06	0	0	0	0	0
3	SCI_NL__OPNPDE20110728_053506_000059463105_00048_49200_6852.N1	28JUL2011 05:35:06	28JUL2011 07:14:12	1	1	0	0	1
4	SCI_NL__OPNPDK20110728_071412_000040653105_00049_49201_5270.N1	28JUL2011 07:14:12	28JUL2011 08:21:57	0	0	0	0	0
5	SCI_NL__OPNPDK20110728_082157_000061233105_00050_49202_5271.N1	28JUL2011 08:21:57	28JUL2011 10:03:59	0	0	0	0	0
6	SCI_NL__OPNPDK20110728_100359_000059603105_00051_49203_5272.N1	28JUL2011 10:03:59	28JUL2011 11:43:19	0	0	0	0	0
7	SCI_NL__OPNPDK20110728_114225_000059463105_00052_49204_5273.N1	28JUL2011 11:42:25	28JUL2011 13:21:31	0	0	0	0	0
8	SCI_NL__OPNPDK20110728_132022_000059603105_00053_49205_5274.N1	28JUL2011 13:20:22	28JUL2011 14:59:42	0	0	0	0	0
9	SCI_NL__OPNPDK20110728_145848_000058233105_00054_49206_5275.N1	28JUL2011 14:58:48	28JUL2011 16:35:51	0	0	0	0	0
10	SCI_NL__OPNPDK20110728_163551_000059033105_00055_49207_5276.N1	28JUL2011 16:35:51	28JUL2011 18:14:13	0	0	0	0	0
11	SCI_NL__OPNPDK20110728_181319_000060003105_00056_49208_5277.N1	28JUL2011 18:13:19	28JUL2011 19:53:19	0	0	0	0	0
12	SCI_NL__OPNPDE20110728_195225_000039583105_00057_49209_6854.N1	28JUL2011 19:52:25	28JUL2011 20:58:23	0	0	0	0	0
13	SCI_NL__OPNPDE20110728_205702_000065183105_00057_49209_6855.N1	28JUL2011 20:57:02	28JUL2011 22:45:40	0	0	0	0	0
14	SCI_NL__OPNPDE20110728_224417_000061103105_00058_49210_6856.N1	28JUL2011 22:44:17	29JUL2011 00:26:07	0	0	0	0	0

0.2 Product Quality Indicators

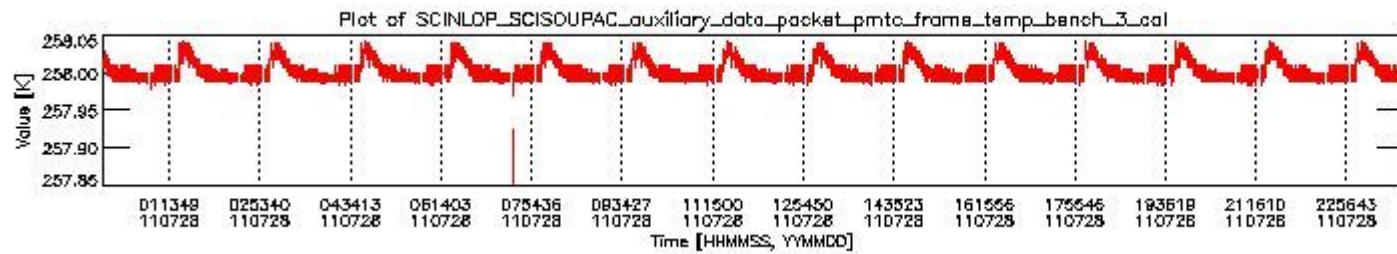
This section shows information about product quality, currently temperatures.



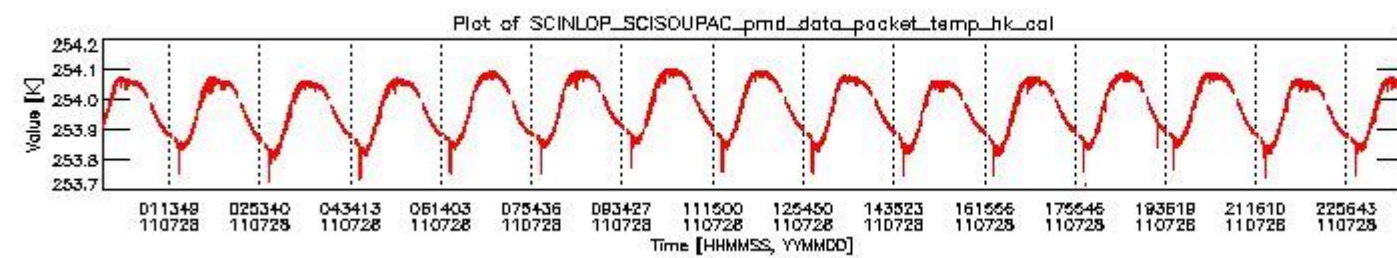
sciamachy_daily_report_level0_KSPT_L0_4504_N_20110728_0.PNG



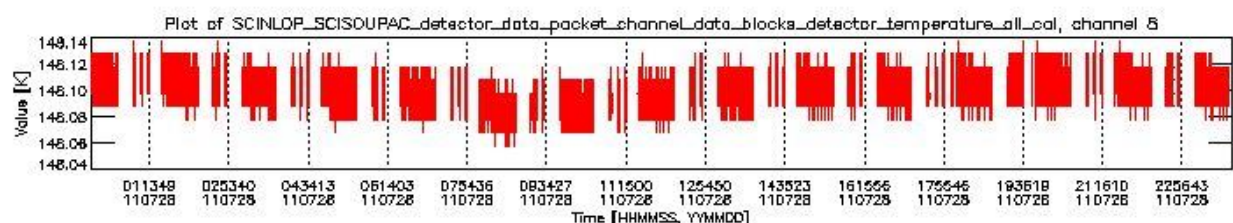
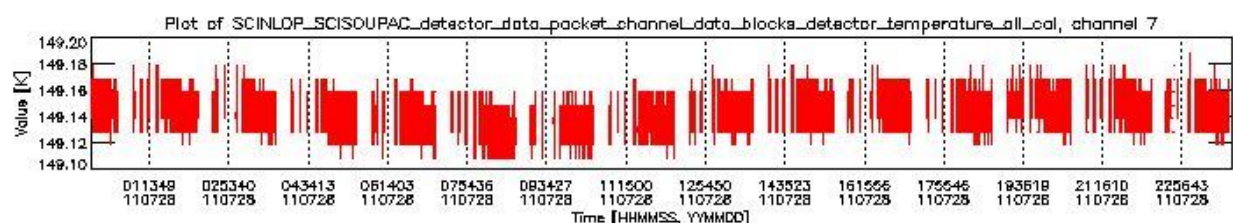
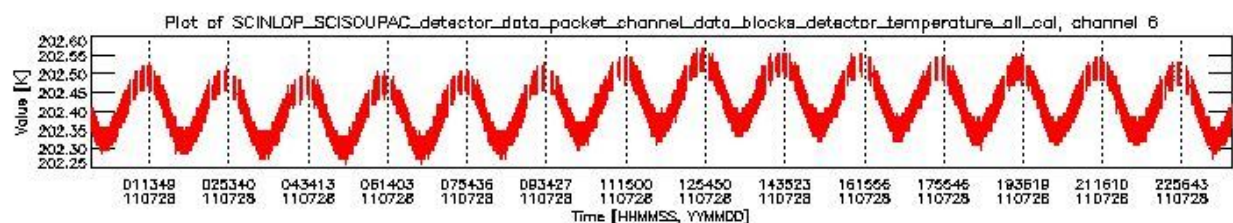
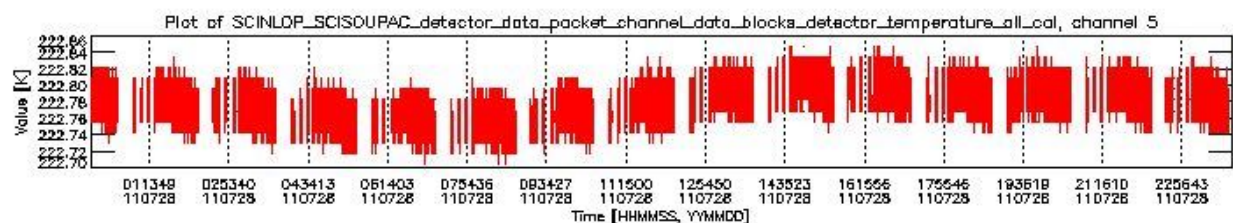
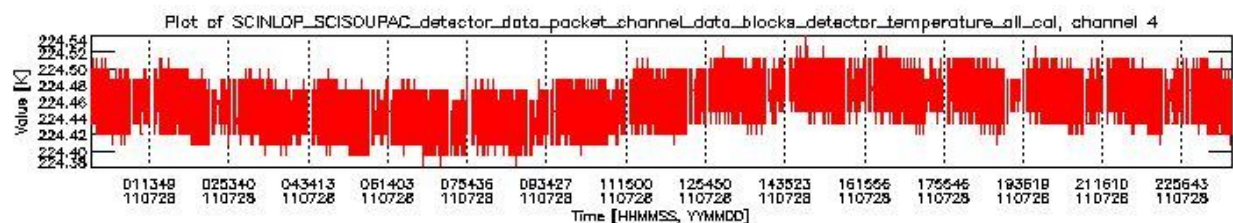
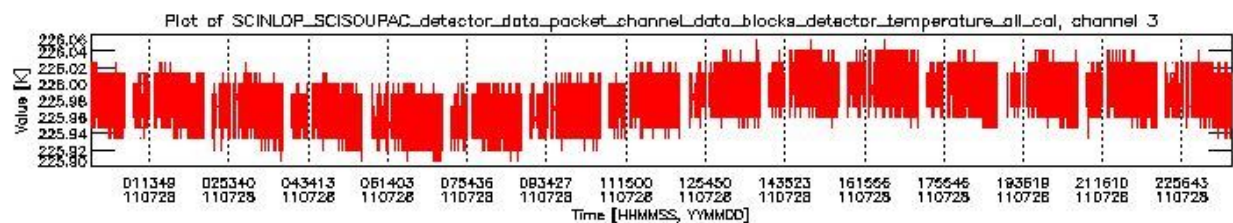
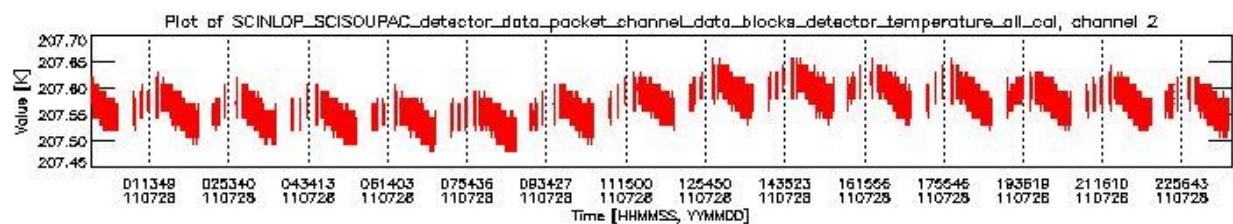
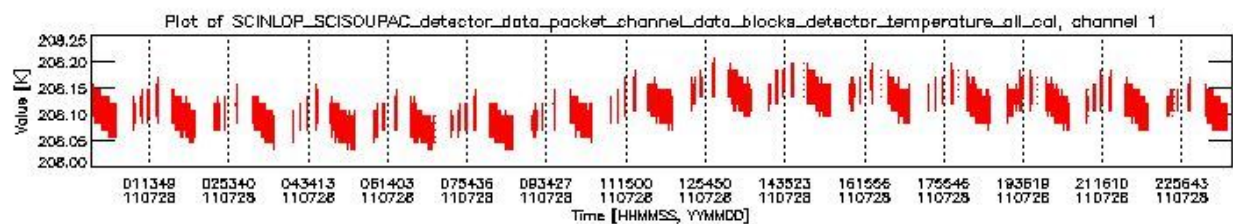
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sciamachy_daily_report_level0_KSPT_L0_4504_N_20110728_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20110728_3.PNG

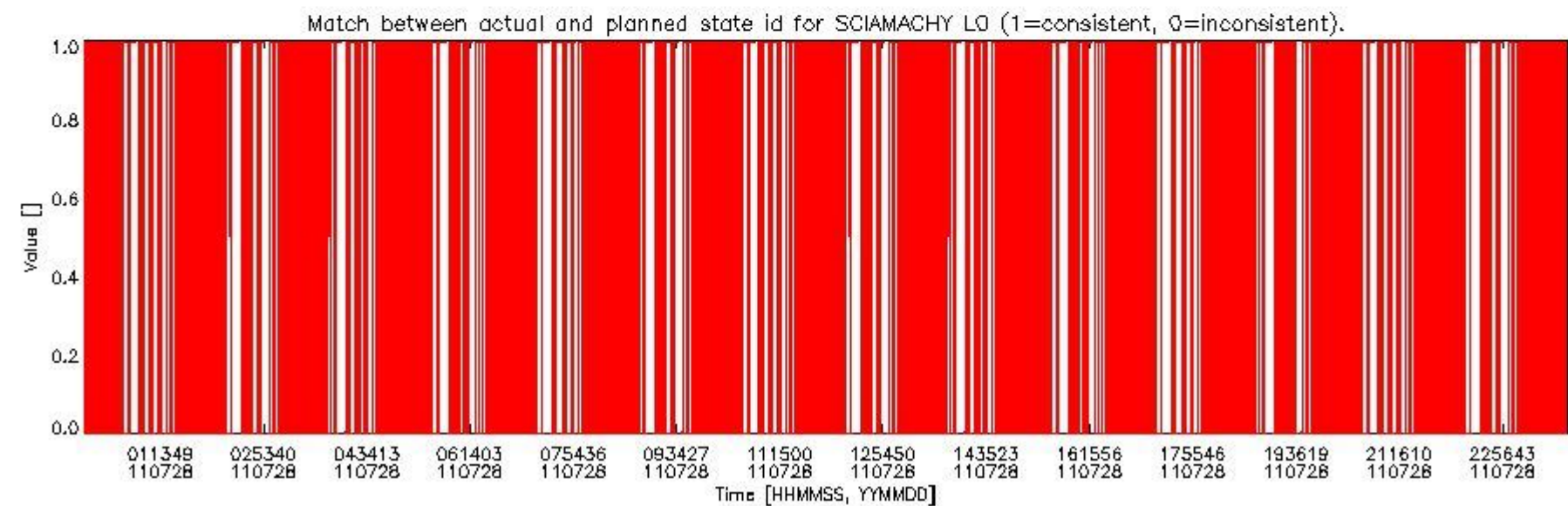
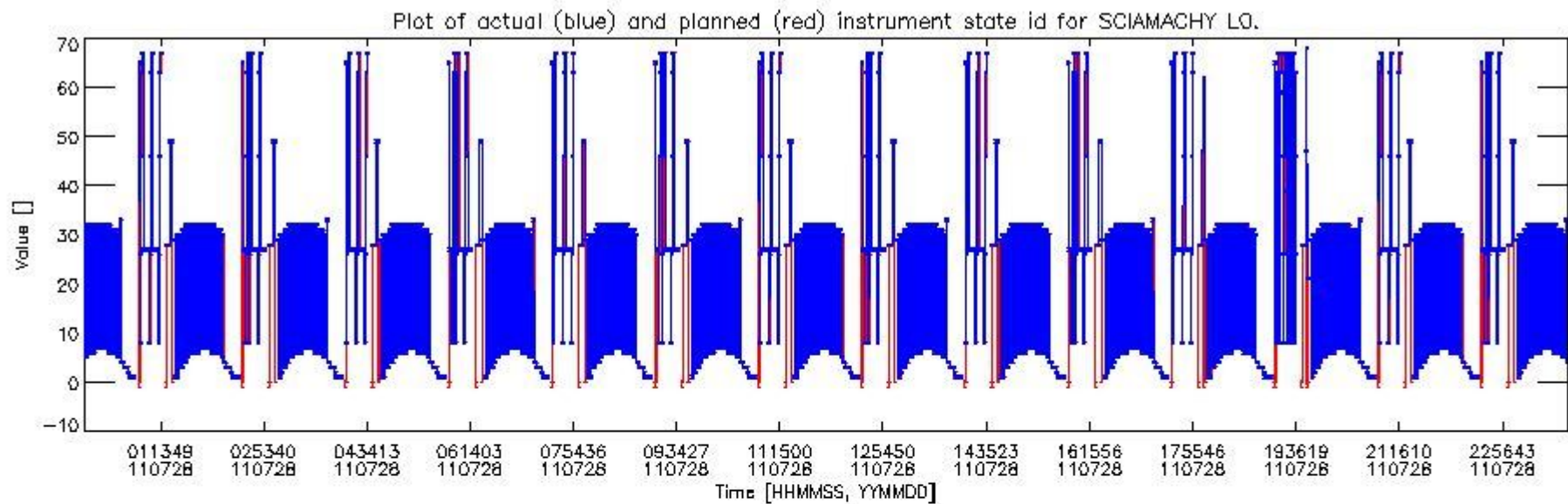


0.3 State monitoring

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: **71636**

#	Actual time	Actual value	Planned time	Planned value
0	28JUL2011 00:00:31.446893	5	28JUL2011 00:00:31.446893	32
1	28JUL2011 00:00:31.696893	5	28JUL2011 00:00:31.696893	32
2	28JUL2011 00:00:31.821893	5	28JUL2011 00:00:31.821893	32
3	28JUL2011 00:00:31.946893	5	28JUL2011 00:00:31.946893	32
4	28JUL2011 00:00:32.071893	5	28JUL2011 00:00:32.071893	32
5	28JUL2011 00:00:32.196893	5	28JUL2011 00:00:32.196893	32
6	28JUL2011 00:00:32.321893	5	28JUL2011 00:00:32.321893	32
7	28JUL2011 00:00:32.446893	5	28JUL2011 00:00:32.446893	32
8	28JUL2011 00:00:32.571893	5	28JUL2011 00:00:32.571893	32
9	28JUL2011 00:00:32.696893	5	28JUL2011 00:00:32.696893	32
10	28JUL2011 00:00:32.821893	5	28JUL2011 00:00:32.821893	32
11	28JUL2011 00:00:32.946893	5	28JUL2011 00:00:32.946893	32
12	28JUL2011 00:00:33.071893	5	28JUL2011 00:00:33.071893	32
13	28JUL2011 00:00:33.196893	5	28JUL2011 00:00:33.196893	32
14	28JUL2011 00:00:33.321893	5	28JUL2011 00:00:33.321893	32
15	28JUL2011 00:00:33.446893	5	28JUL2011 00:00:33.446893	32
16	28JUL2011 00:00:33.571893	5	28JUL2011 00:00:33.571893	32
17	28JUL2011 00:00:33.696893	5	28JUL2011 00:00:33.696893	32
18	28JUL2011 00:00:33.821893	5	28JUL2011 00:00:33.821893	32
19	28JUL2011 00:00:33.946893	5	28JUL2011 00:00:33.946893	32
...

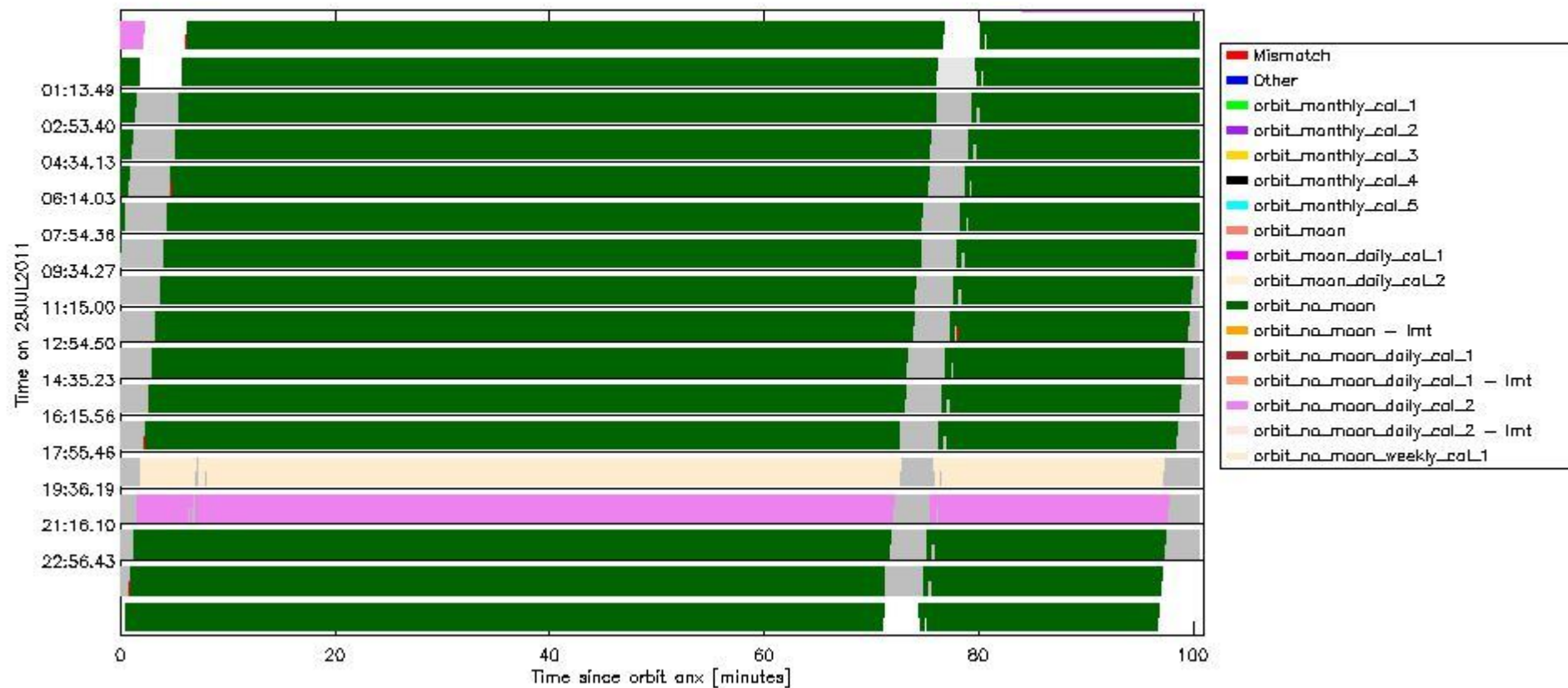


sciamachy_daily_report_level0_KSPT_L0_4504_N_20110728_5.PNG

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 28JUL2011.
 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_20110728_6.PNG

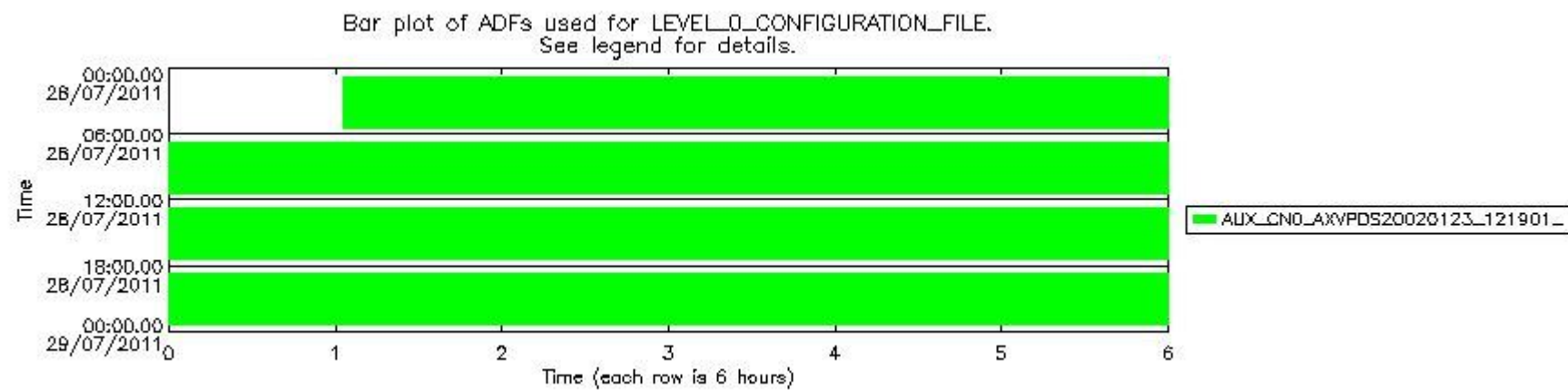
0.4 ADF monitoring

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

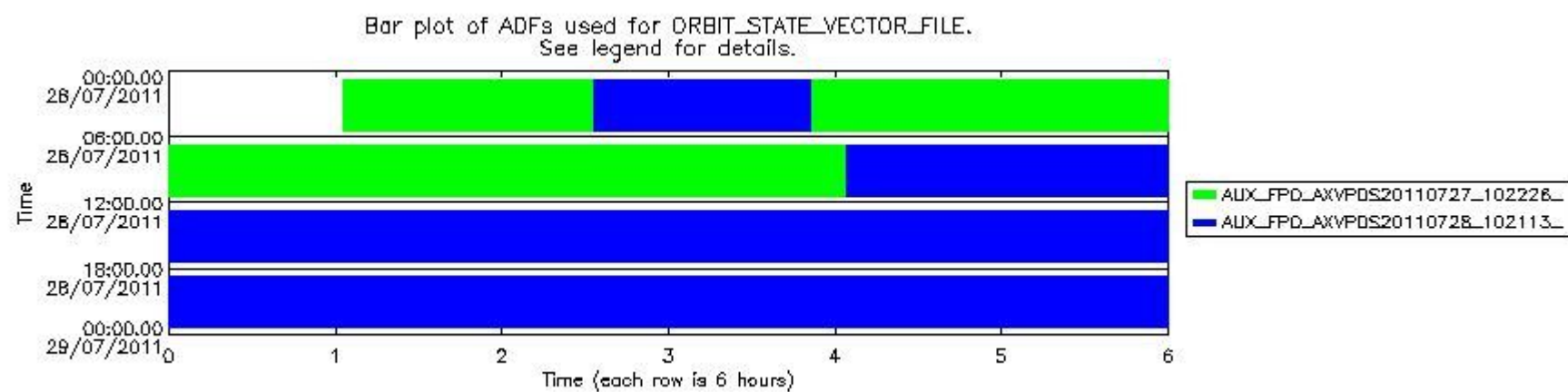
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

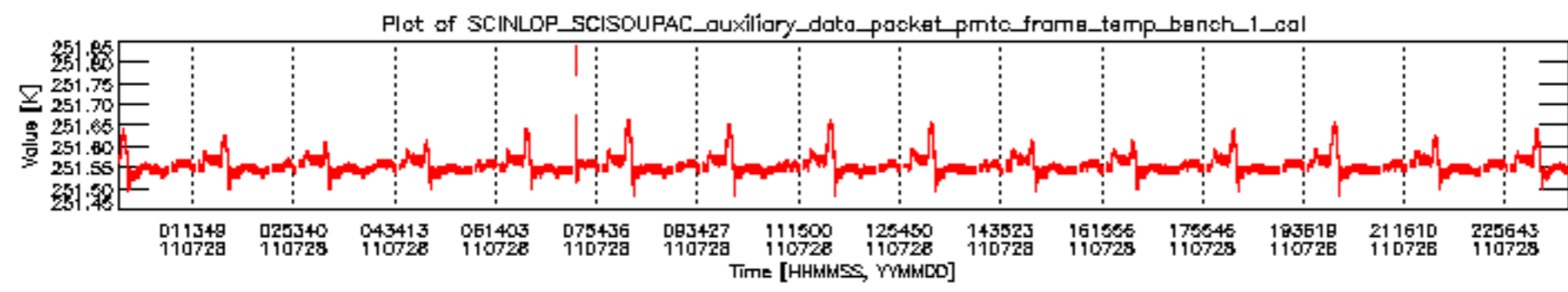
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20110727_102226_20110726_190919_20110805_212306
2	AUX_FPO_AXVPDS20110728_102113_20110727_183235_20110806_204621

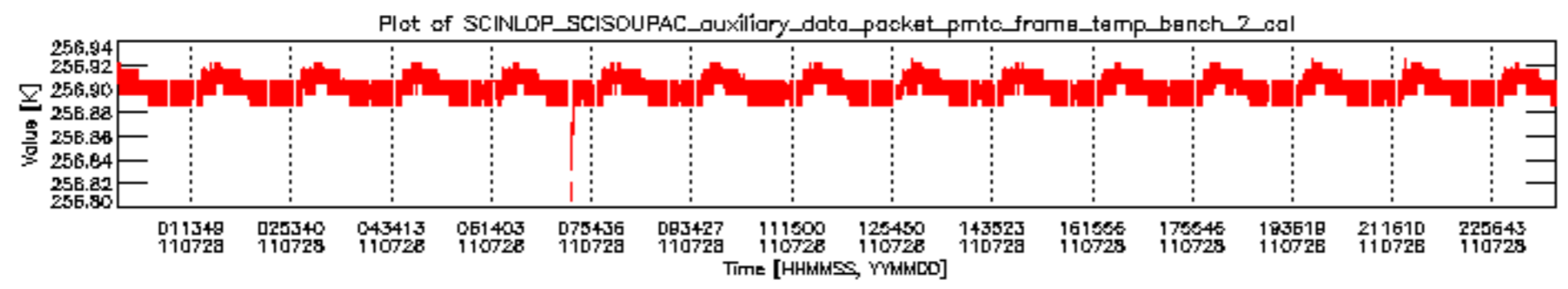


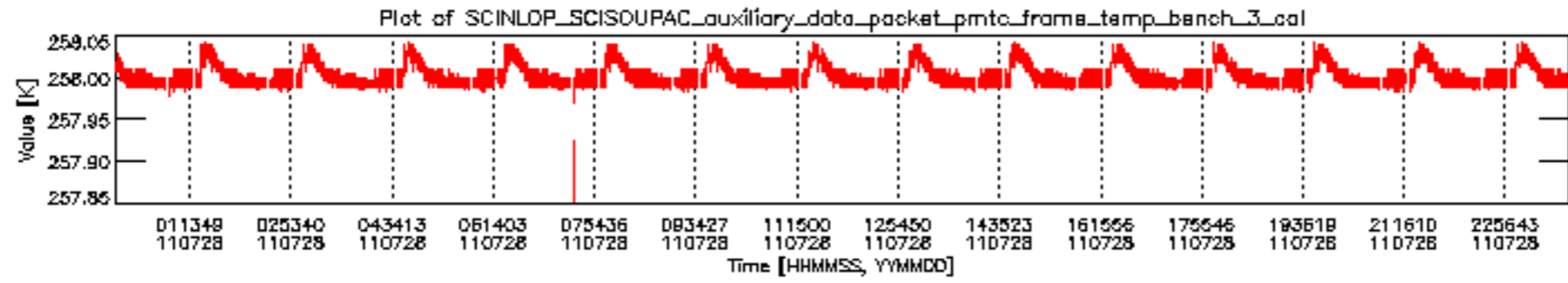
sciamachy_daily_report_level0_KSPT_L0_4504_N_20110728_7.PNG

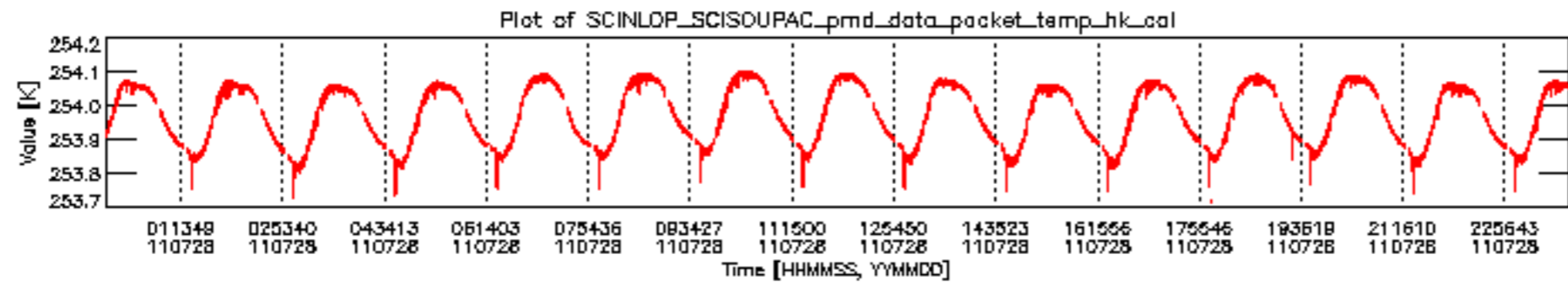


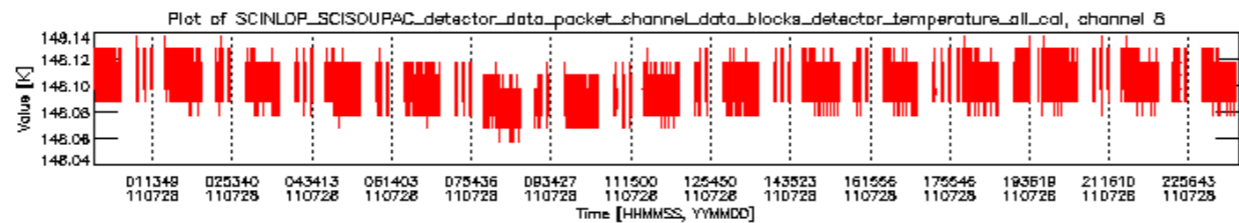
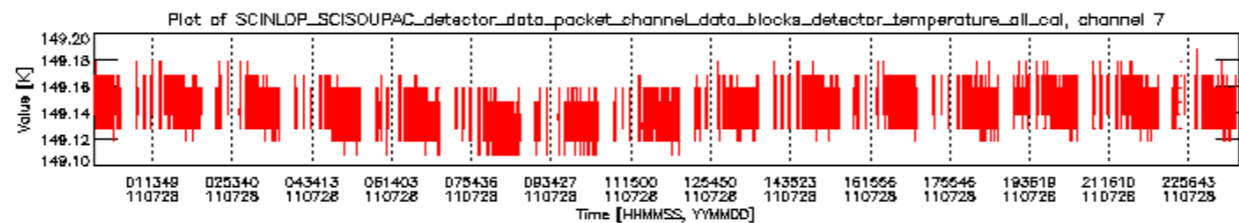
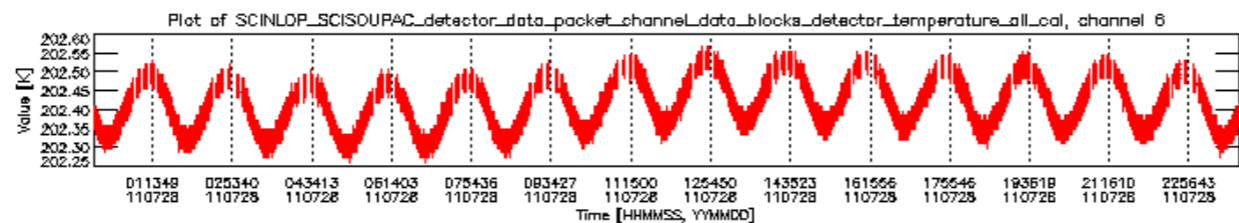
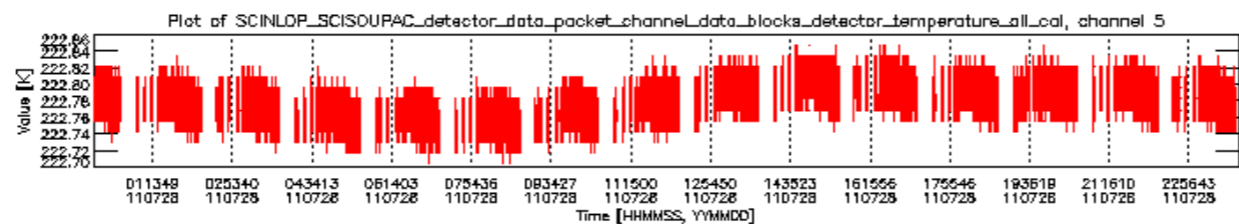
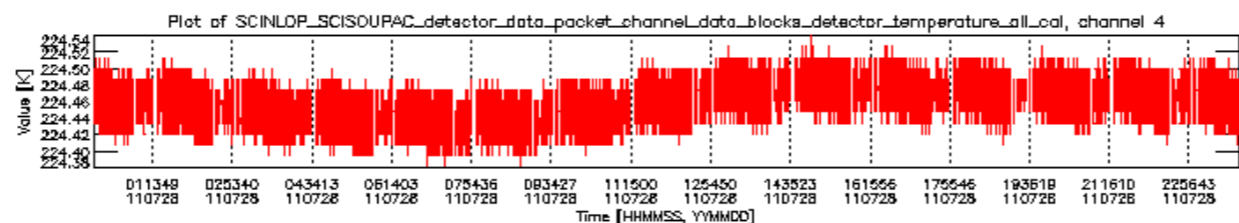
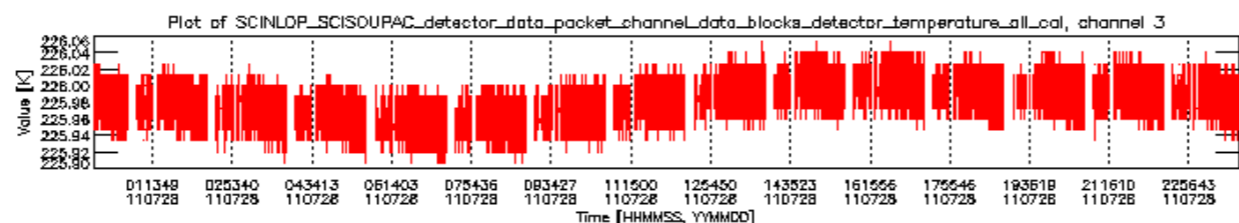
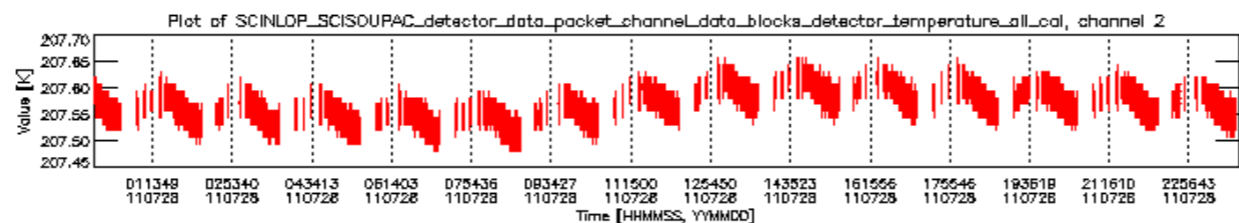
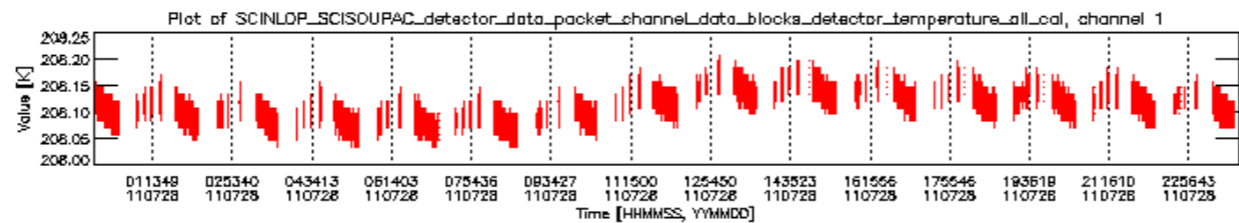
sciamachy_daily_report_level0_KSPT_L0_4504_N_20110728_8.PNG











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