

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	17MAR2008 21:35:19
Data source version	KSPT_L0/4303-N
Processing scope for products	13MAR2008 00:00:00 to 14MAR2008 00:00:00
Start time of first product within scope	12MAR2008 23:18:11
Stop time of last product within scope	14MAR2008 00:33:04
Total number of level 0 products	15
Number of level 0 products with errors	5

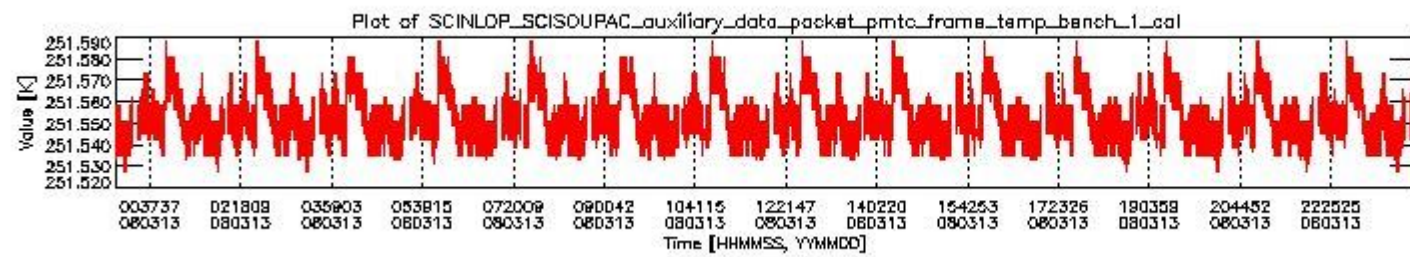
0.1.2 Summary per product

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

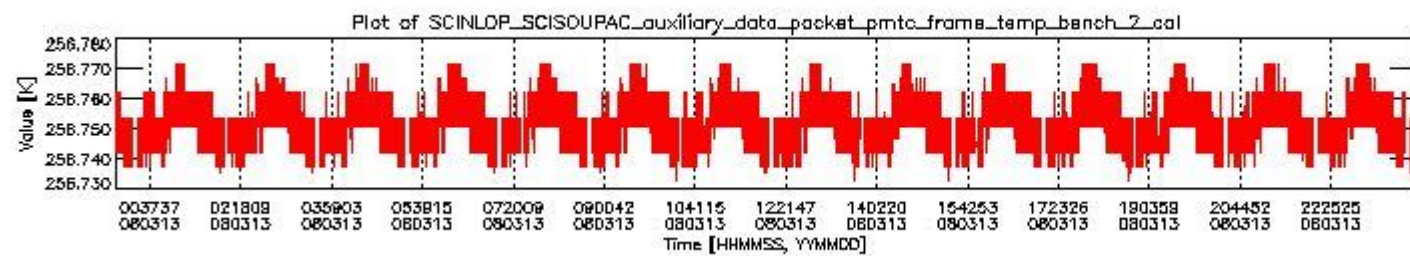
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080312_231811_000063962066_00431_31547_6254.N1	12MAR2008 23:18:11	13MAR2008 01:04:47	1	0	1	0	0
1	SCI_NL__OPNPDE20080313_005942_000064092066_00432_31548_6251.N1	13MAR2008 00:59:42	13MAR2008 02:46:31	1	0	1	0	0
2	SCI_NL__OPNPDE20080313_024222_000064092066_00433_31549_6252.N1	13MAR2008 02:42:22	13MAR2008 04:29:11	1	0	1	0	0
3	SCI_NL__OPNPDE20080313_042558_000063532066_00434_31550_6253.N1	13MAR2008 04:25:58	13MAR2008 06:11:51	1	0	1	0	0
4	SCI_NL__OPNPDK20080313_060742_000062162066_00435_31551_7635.N1	13MAR2008 06:07:42	13MAR2008 07:51:18	0	0	0	0	0
5	SCI_NL__OPNPDK20080313_075022_000059802066_00436_31552_7636.N1	13MAR2008 07:50:22	13MAR2008 09:30:02	0	0	0	0	0
6	SCI_NL__OPNPDK20080313_093002_000059672066_00437_31553_7637.N1	13MAR2008 09:30:02	13MAR2008 11:09:28	0	0	0	0	0
7	SCI_NL__OPNPDK20080313_110928_000059112066_00438_31554_7638.N1	13MAR2008 11:09:28	13MAR2008 12:47:59	0	0	0	0	0
8	SCI_NL__OPNPDK20080313_124759_000059672066_00439_31555_7639.N1	13MAR2008 12:47:59	13MAR2008 14:27:26	0	0	0	0	0
9	SCI_NL__OPNPDK20080313_142630_000058552066_00440_31556_7640.N1	13MAR2008 14:26:30	13MAR2008 16:04:06	0	0	0	0	0
10	SCI_NL__OPNPDK20080313_160257_000059862066_00441_31557_7641.N1	13MAR2008 16:02:57	13MAR2008 17:42:43	0	0	0	0	0
11	SCI_NL__OPNPDK20080313_174147_000059582066_00442_31558_7642.N1	13MAR2008 17:41:47	13MAR2008 19:21:05	0	0	0	0	0
12	SCI_NL__OPNPDK20080313_191903_000062292066_00443_31559_7643.N1	13MAR2008 19:19:03	13MAR2008 21:02:52	0	0	0	0	0
13	SCI_NL__OPNPDK20080313_205938_000063412066_00444_31560_7644.N1	13MAR2008 20:59:38	13MAR2008 22:45:19	0	0	0	0	0
14	SCI_NL__OPNPDE20080313_224423_000065202066_00445_31561_6255.N1	13MAR2008 22:44:23	14MAR2008 00:33:04	1	0	1	0	0

0.2 Product Quality Indicators

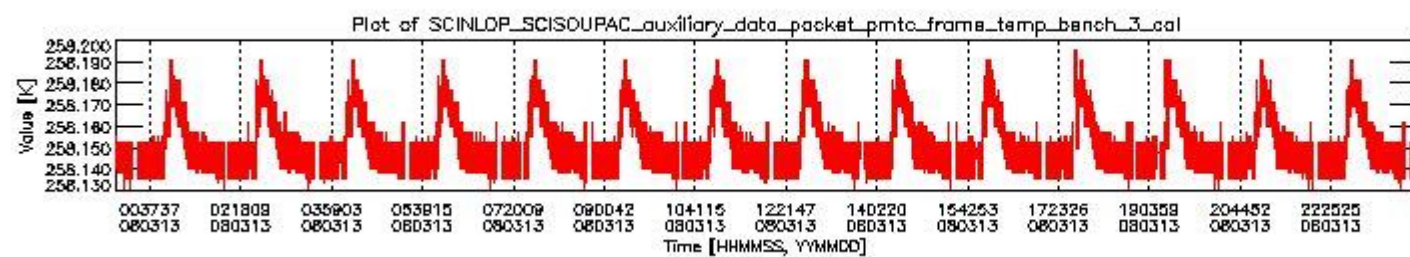
This section shows information about product quality, currently temperatures.



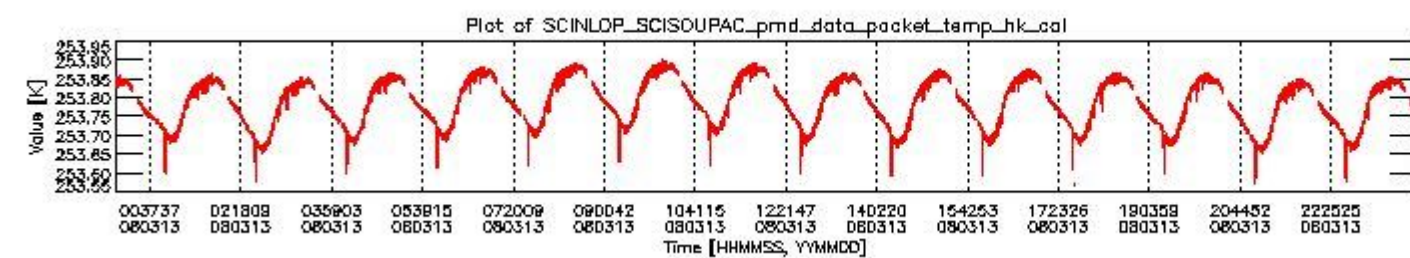
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080313_0.PNG



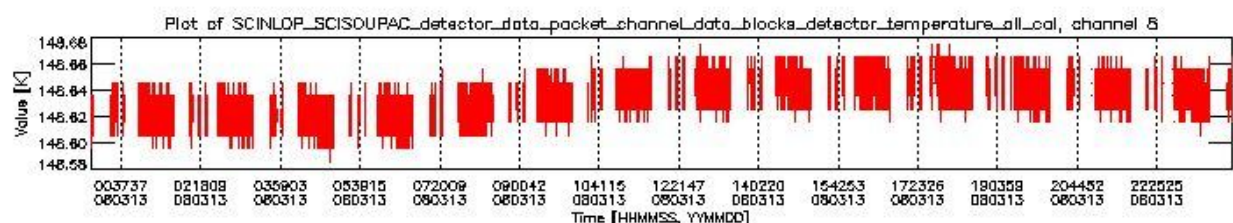
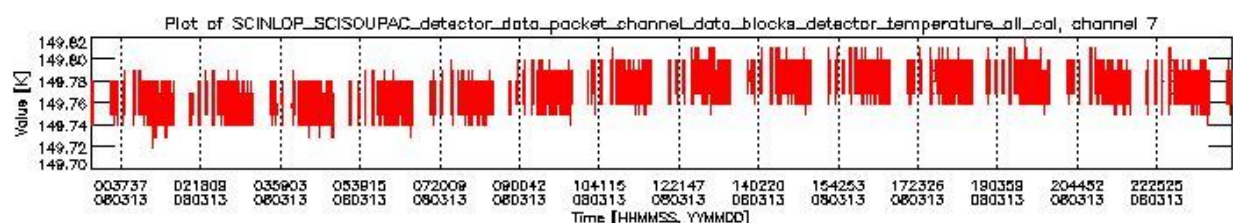
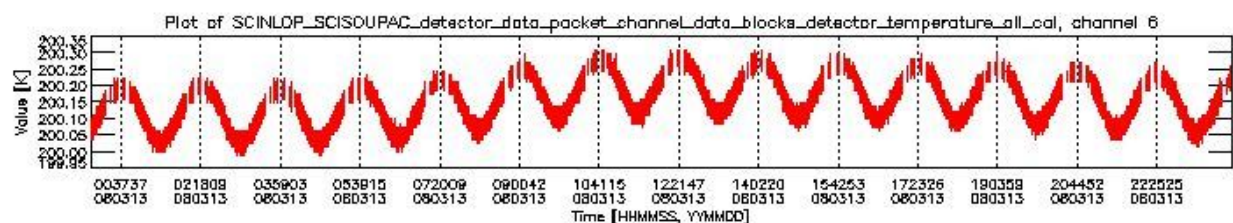
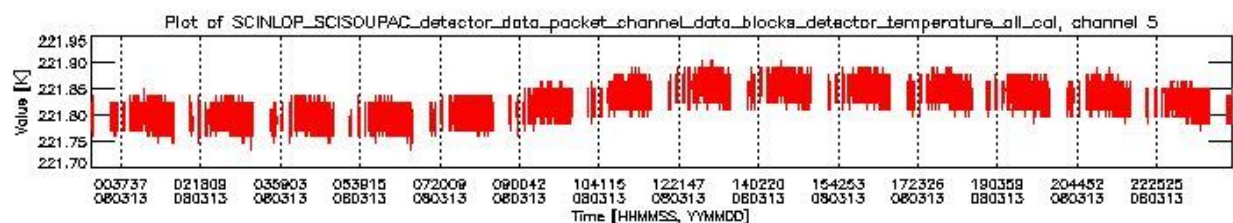
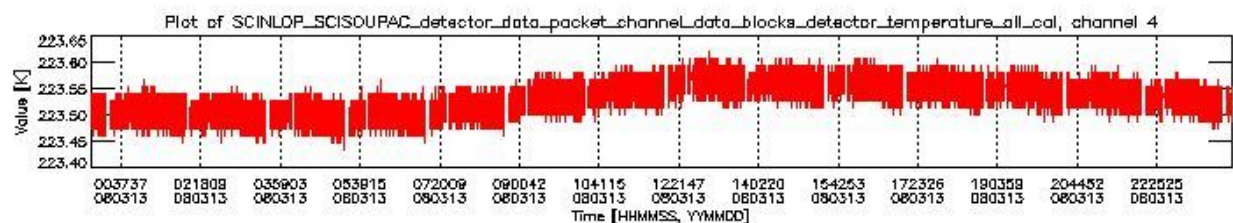
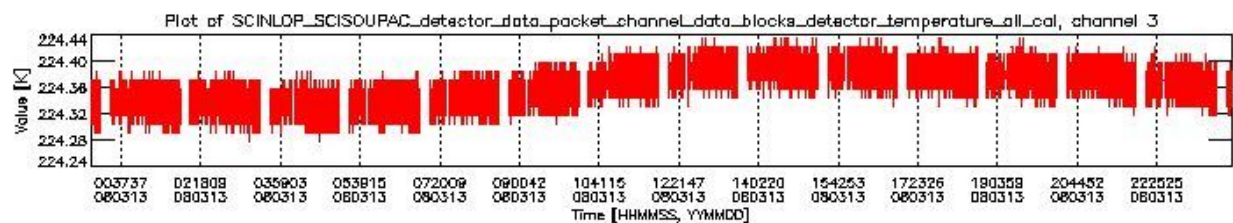
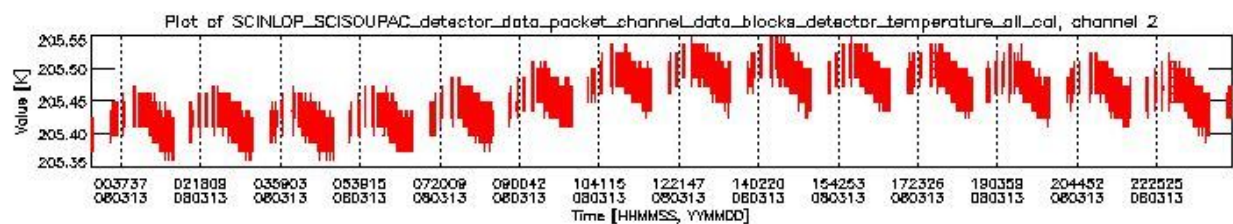
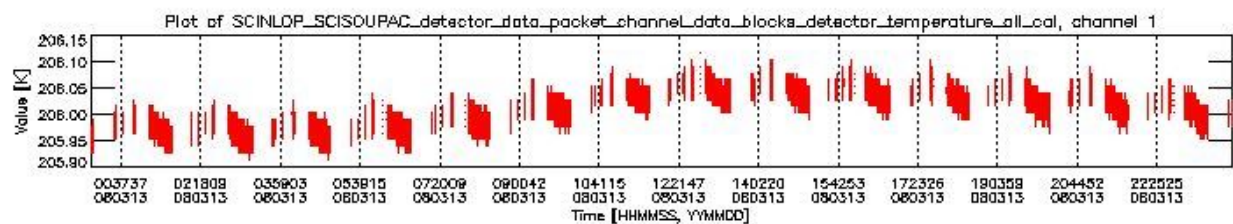
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080313_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080313_3.PNG

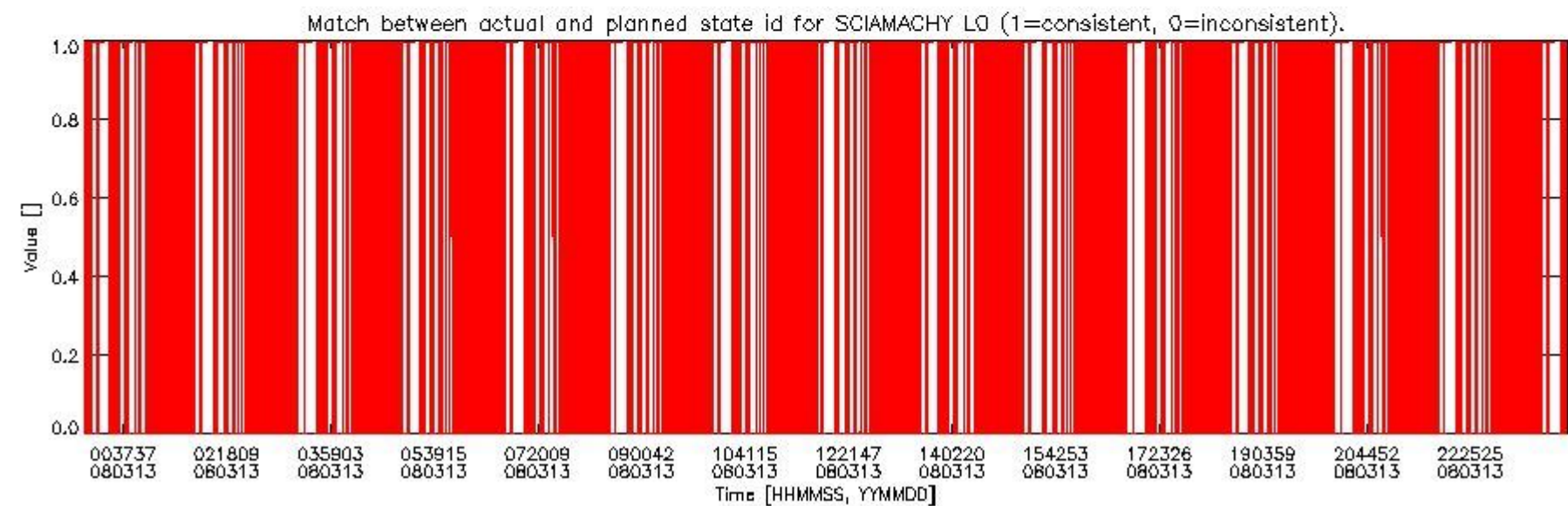
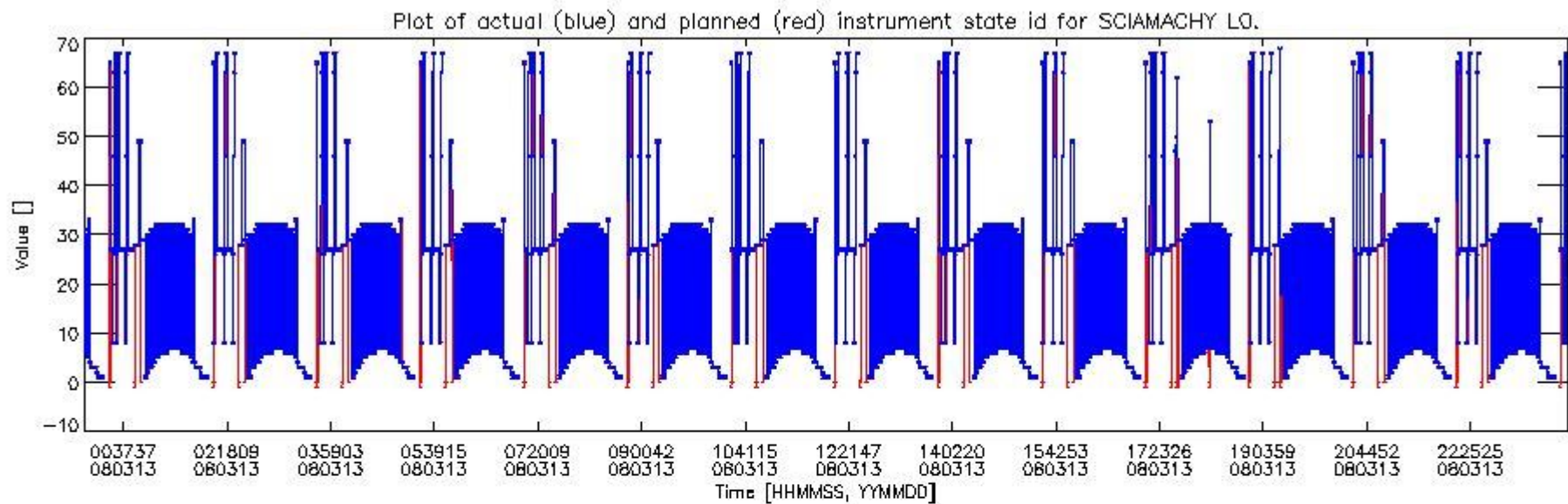


0.3 State monitoring

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: **33379**

#	Actual time	Actual value	Planned time	Planned value
0	13MAR2008 00:00:35.957198	6	13MAR2008 00:00:35.957198	31
1	13MAR2008 00:00:36.332211	6	13MAR2008 00:00:36.332211	31
2	13MAR2008 00:00:36.582220	6	13MAR2008 00:00:36.582220	31
3	13MAR2008 00:00:36.832188	6	13MAR2008 00:00:36.832188	31
4	13MAR2008 00:00:37.082197	6	13MAR2008 00:00:37.082197	31
5	13MAR2008 00:00:37.332205	6	13MAR2008 00:00:37.332205	31
6	13MAR2008 00:00:37.582214	6	13MAR2008 00:00:37.582214	31
7	13MAR2008 00:00:37.832223	6	13MAR2008 00:00:37.832223	31
8	13MAR2008 00:00:38.082191	6	13MAR2008 00:00:38.082191	31
9	13MAR2008 00:00:38.332200	6	13MAR2008 00:00:38.332200	31
10	13MAR2008 00:00:38.582209	6	13MAR2008 00:00:38.582209	31
11	13MAR2008 00:00:38.832217	6	13MAR2008 00:00:38.832217	31
12	13MAR2008 00:00:39.082186	6	13MAR2008 00:00:39.082186	31
13	13MAR2008 00:00:39.332195	6	13MAR2008 00:00:39.332195	31
14	13MAR2008 00:00:39.582203	6	13MAR2008 00:00:39.582203	31
15	13MAR2008 00:00:39.832212	6	13MAR2008 00:00:39.832212	31
16	13MAR2008 00:00:40.082221	6	13MAR2008 00:00:40.082221	31
17	13MAR2008 00:00:40.332189	6	13MAR2008 00:00:40.332189	31
18	13MAR2008 00:00:40.582198	6	13MAR2008 00:00:40.582198	31
19	13MAR2008 00:00:40.832207	6	13MAR2008 00:00:40.832207	31
...

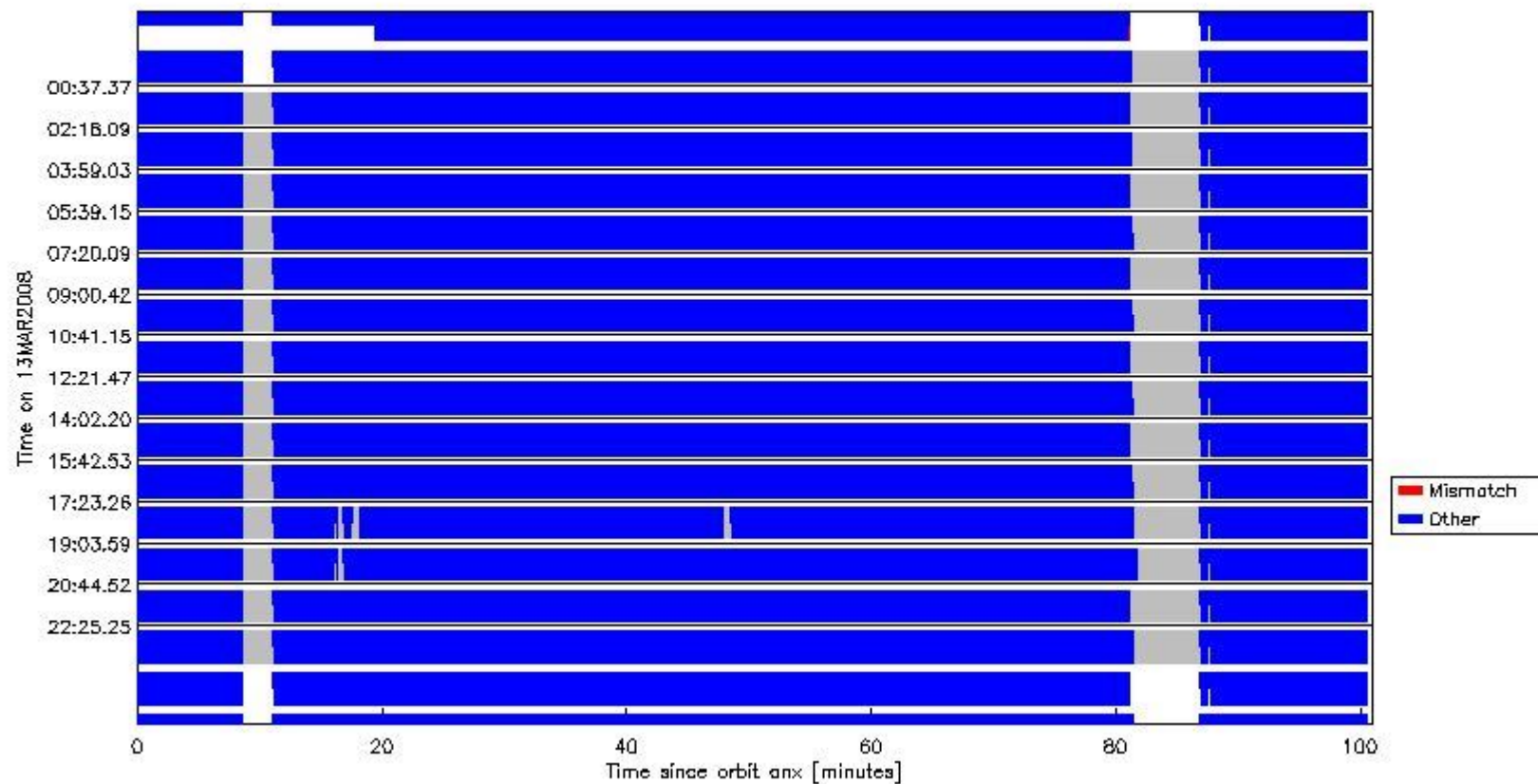


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080313_5.PNG

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 13MAR2008.
 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_20080313_6.PNG

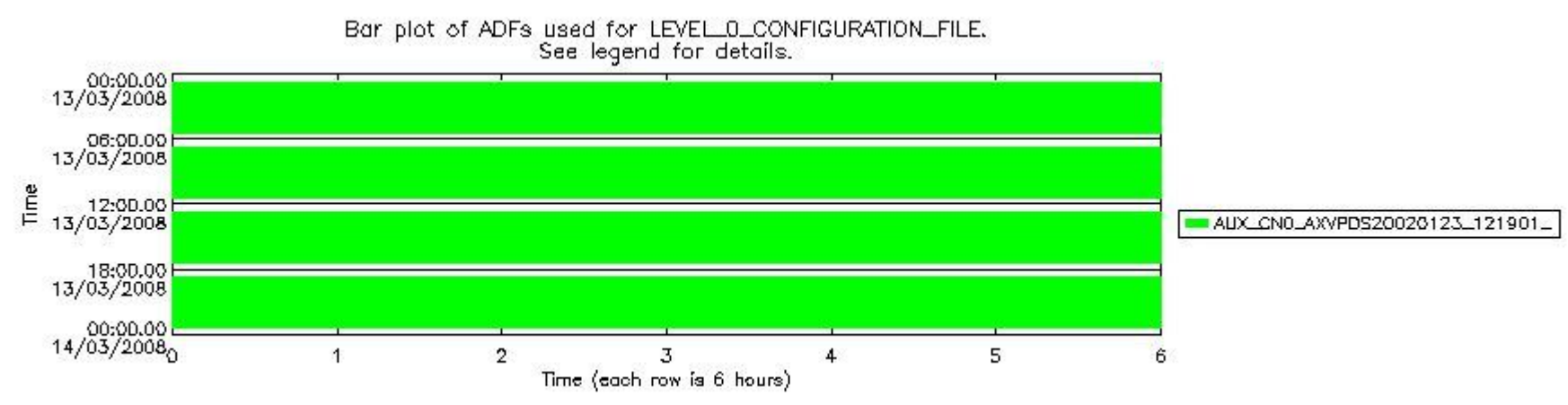
0.4 ADF monitoring

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

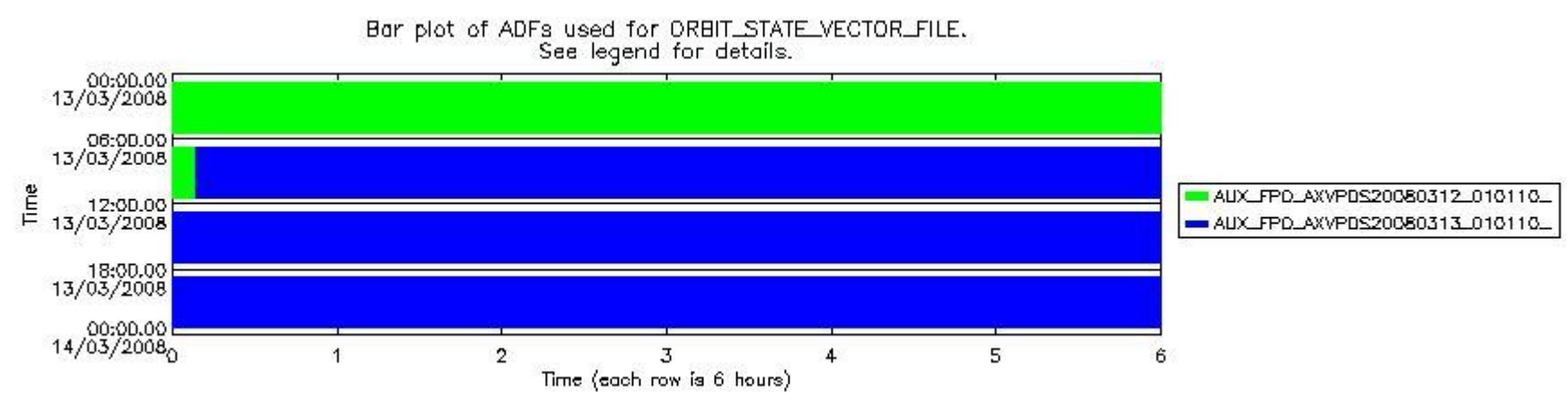
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

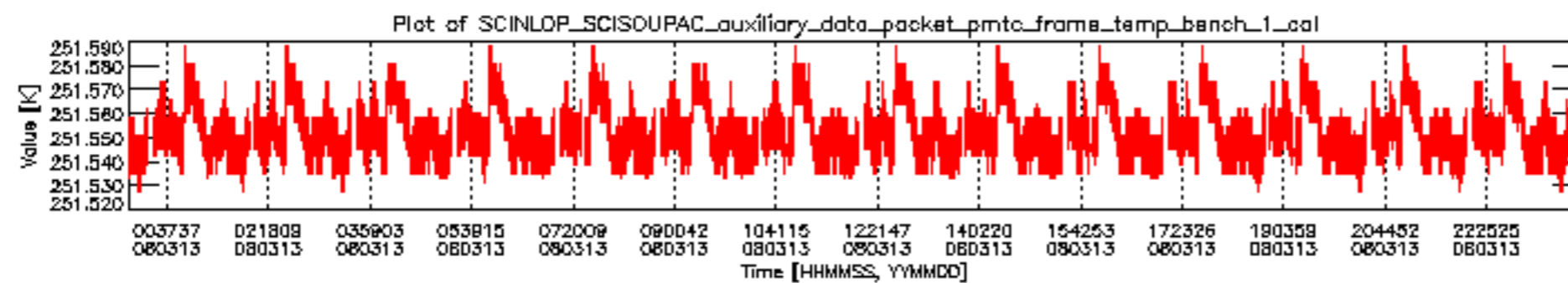
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080312_010110_20080311_182649_20080321_213339
2	AUX_FPO_AXVPDS20080313_010110_20080312_193548_20080322_210202

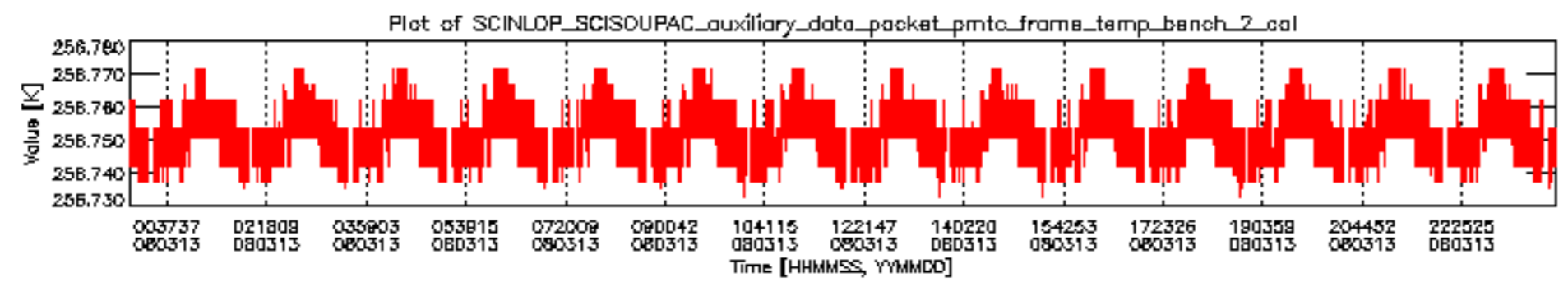


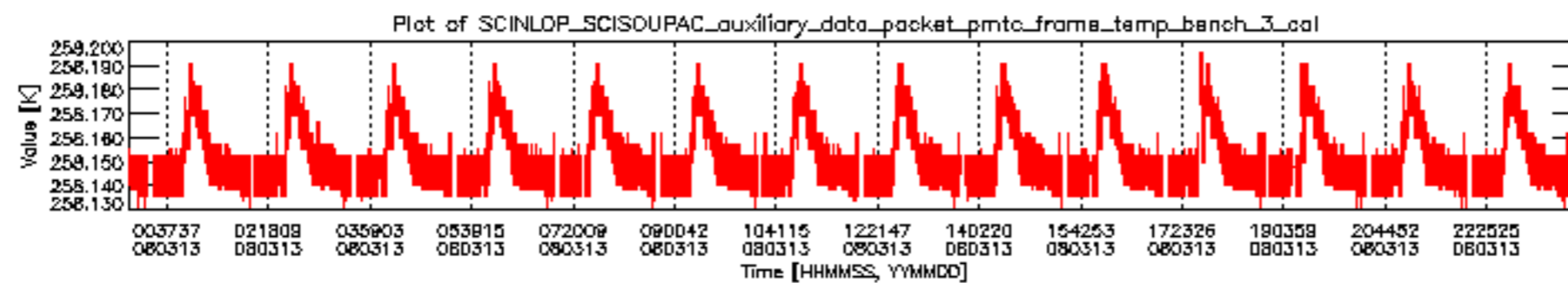
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080313_7.PNG

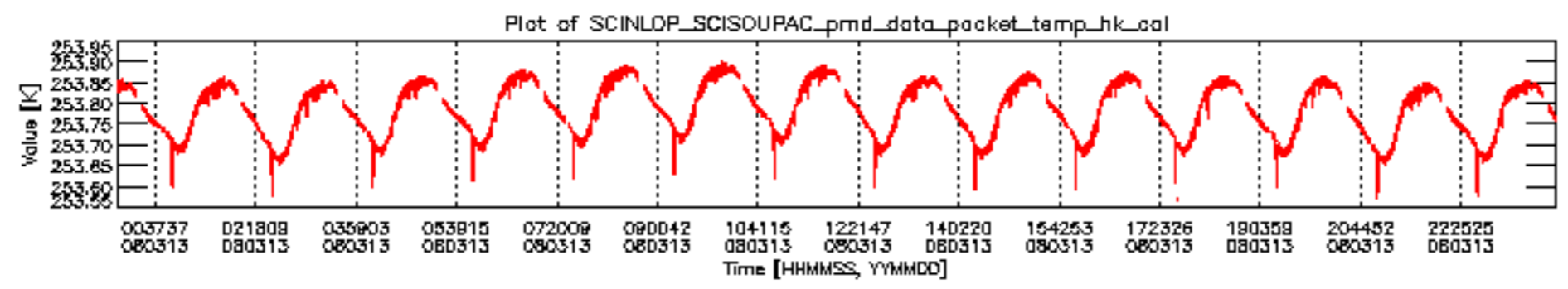


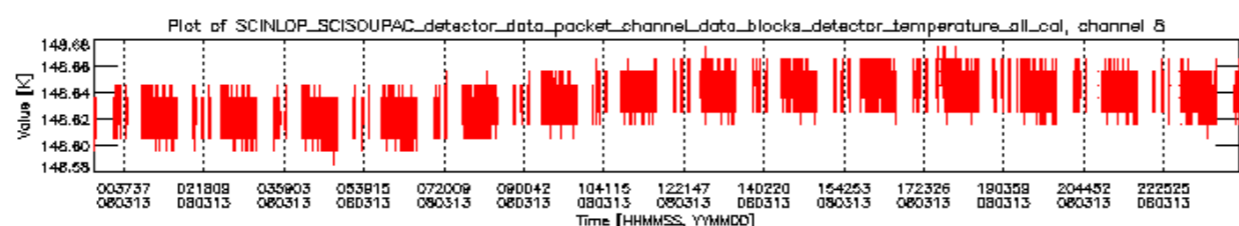
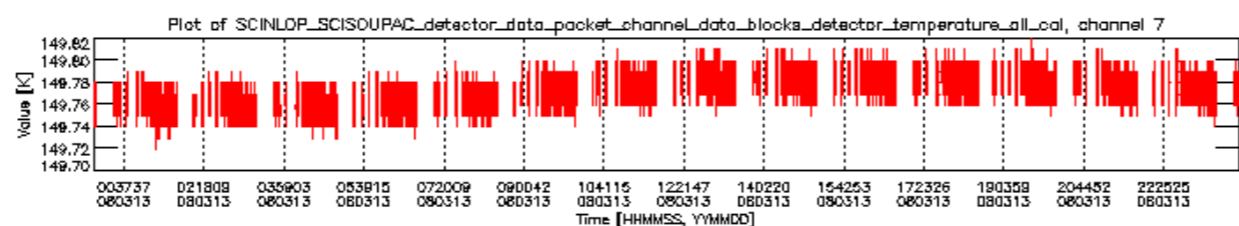
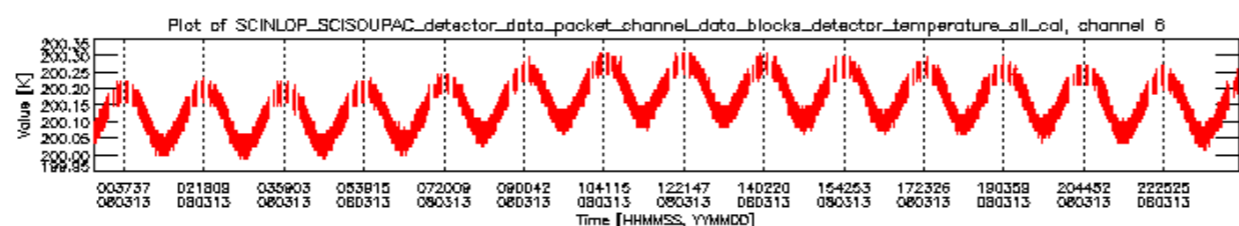
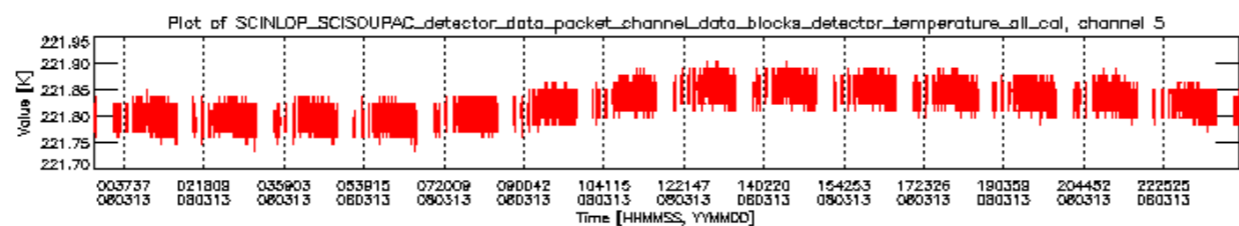
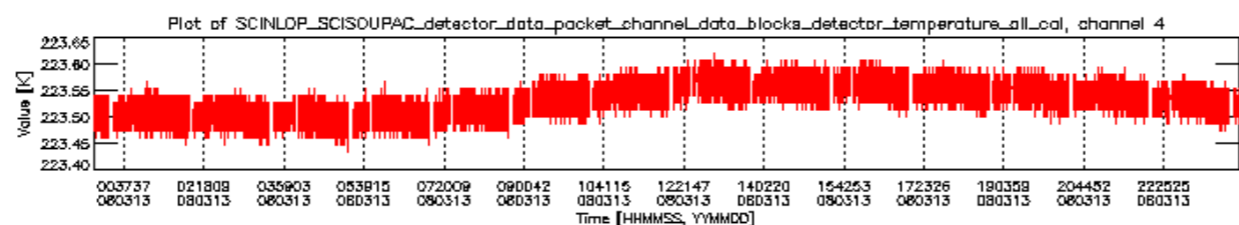
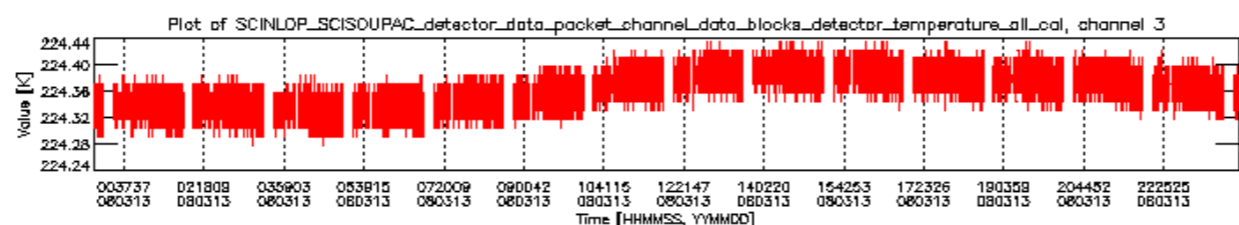
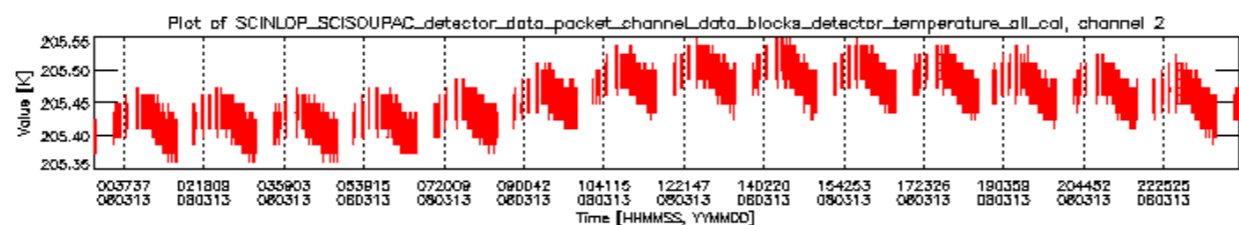
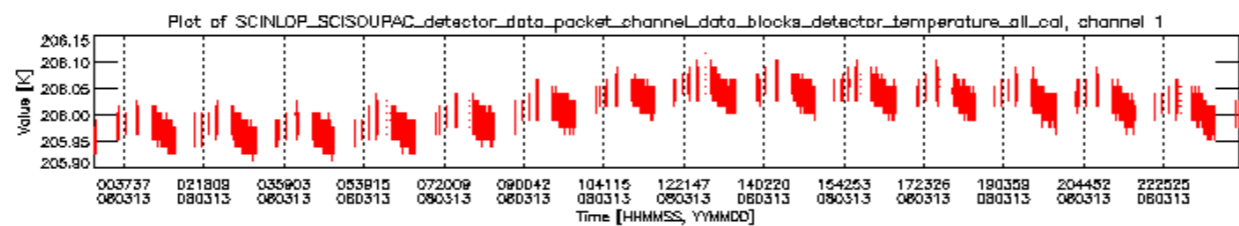
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080313_8.PNG











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