

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	27MAY2008 05:21:28
Data source version	KSPT_L0/4303-N
Processing scope for products	23MAY2008 00:00:00 to 24MAY2008 00:00:00
Start time of first product within scope	22MAY2008 23:53:15
Stop time of last product within scope	24MAY2008 01:04:10
Total number of level 0 products	16
Number of level 0 products with errors	0

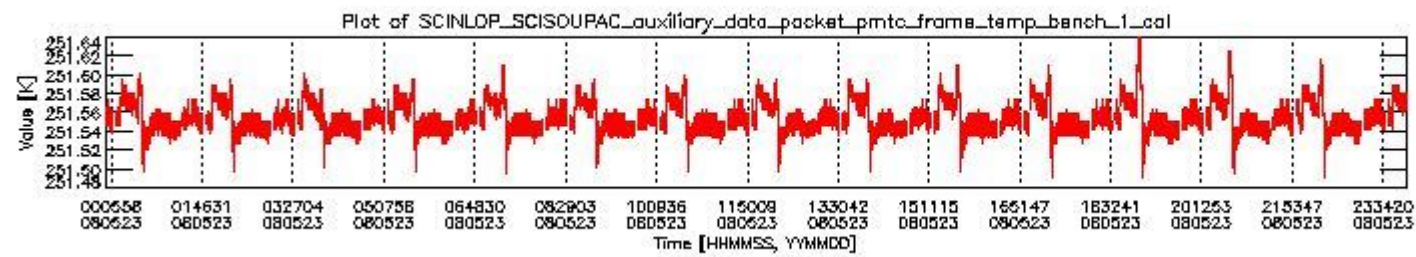
0.1.2 Summary per product

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

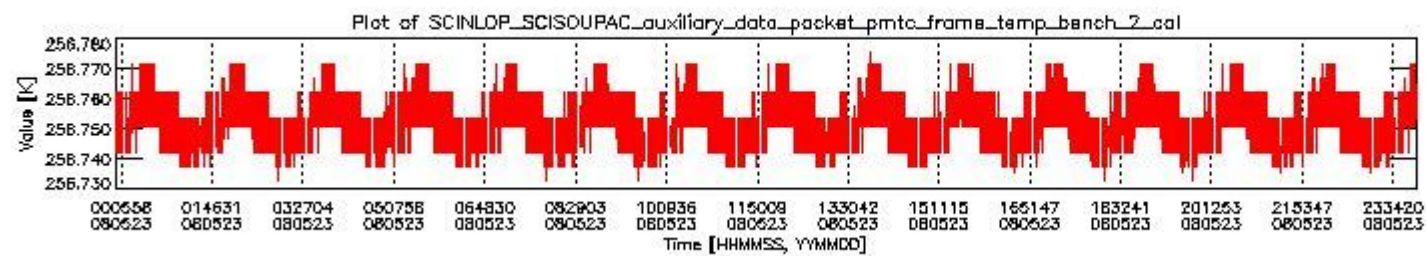
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080522_235315_000060282068_00445_32563_6743.N1	22MAY2008 23:53:15	23MAY2008 01:33:43	0	0	0	0	0
1	SCI_NL__OPNPDE20080523_013256_000047062068_00446_32564_6744.N1	23MAY2008 01:32:56	23MAY2008 02:51:22	0	0	0	0	0
2	SCI_NL__OPNPDE20080523_025013_000058552068_00447_32565_6745.N1	23MAY2008 02:50:13	23MAY2008 04:27:49	0	0	0	0	0
3	SCI_NL__OPNPDE20080523_042640_000060922068_00448_32566_6746.N1	23MAY2008 04:26:40	23MAY2008 06:08:12	0	0	0	0	0
4	SCI_NL__OPNPDK20080523_060716_000041692068_00449_32567_8288.N1	23MAY2008 06:07:16	23MAY2008 07:16:45	0	0	0	0	0
5	SCI_NL__OPNPDK20080523_071645_000060362068_00450_32568_8289.N1	23MAY2008 07:16:45	23MAY2008 08:57:21	0	0	0	0	0
6	SCI_NL__OPNPDK20080523_085612_000061042068_00451_32569_8290.N1	23MAY2008 08:56:12	23MAY2008 10:37:57	0	0	0	0	0
7	SCI_NL__OPNPDK20080523_103701_000060362068_00452_32570_8291.N1	23MAY2008 10:37:01	23MAY2008 12:17:36	0	0	0	0	0
8	SCI_NL__OPNPDK20080523_121628_000059802068_00453_32571_8292.N1	23MAY2008 12:16:28	23MAY2008 13:56:08	0	0	0	0	0
9	SCI_NL__OPNPDK20080523_135608_000058992068_00454_32572_8293.N1	23MAY2008 13:56:08	23MAY2008 15:34:26	0	0	0	0	0
10	SCI_NL__OPNPDK20080523_153330_000058982068_00455_32573_8294.N1	23MAY2008 15:33:30	23MAY2008 17:11:48	0	0	0	0	0
11	SCI_NL__OPNPDK20080523_171040_000058842068_00456_32574_8295.N1	23MAY2008 17:10:40	23MAY2008 18:48:44	0	0	0	0	0
12	SCI_NL__OPNPDK20080523_184735_000061582068_00457_32575_8296.N1	23MAY2008 18:47:35	23MAY2008 20:30:13	0	0	0	0	0
13	SCI_NL__OPNPDE20080523_202904_000043072068_00458_32576_6747.N1	23MAY2008 20:29:04	23MAY2008 21:40:51	0	0	0	0	0
14	SCI_NL__OPNPDE20080523_214004_000061352068_00458_32576_6748.N1	23MAY2008 21:40:04	23MAY2008 23:22:19	0	0	0	0	0
15	SCI_NL__OPNPDE20080523_232135_000061552068_00459_32577_6749.N1	23MAY2008 23:21:35	24MAY2008 01:04:10	0	0	0	0	0

0.2 Product Quality Indicators

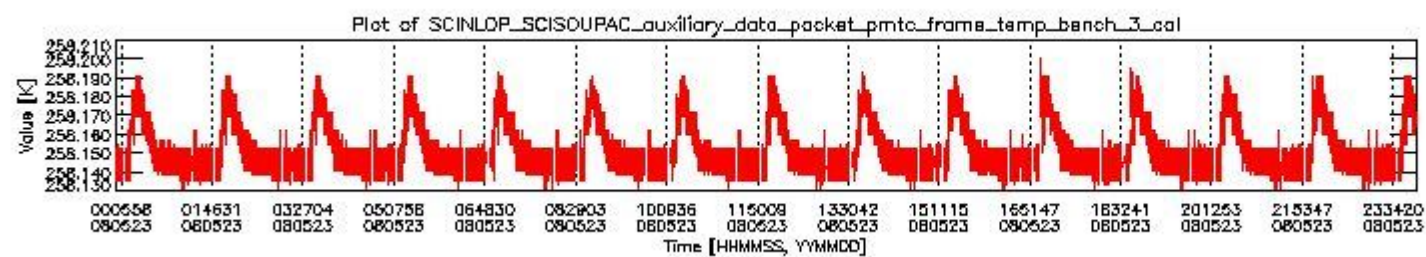
This section shows information about product quality, currently temperatures.



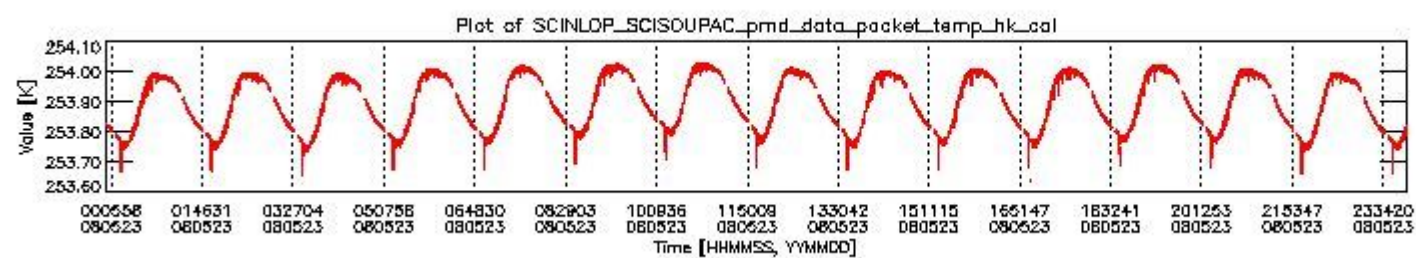
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080523_0.PNG



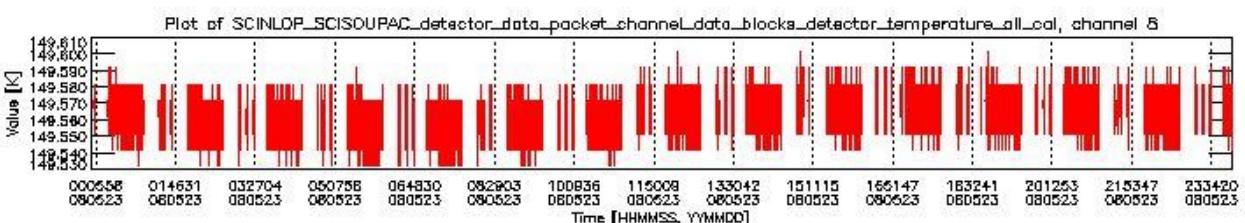
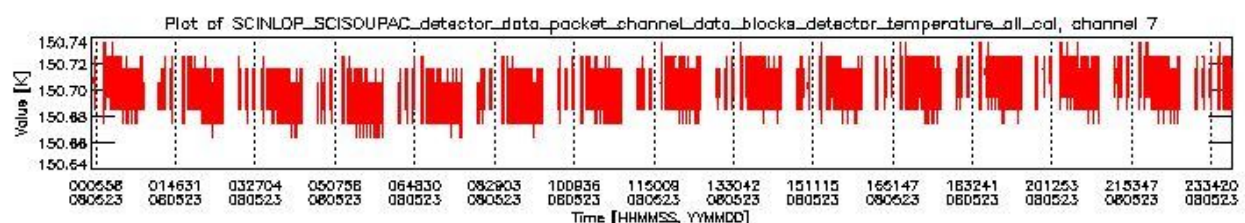
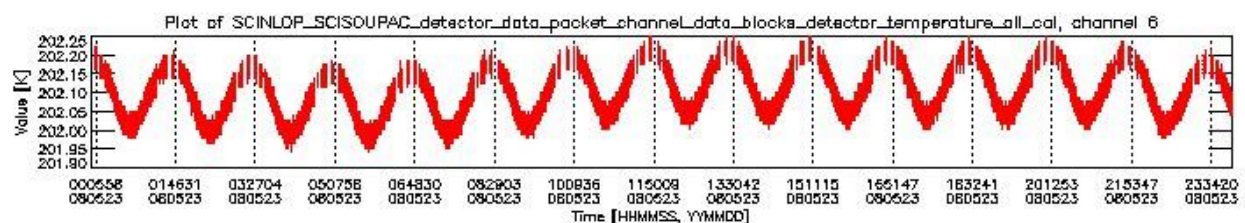
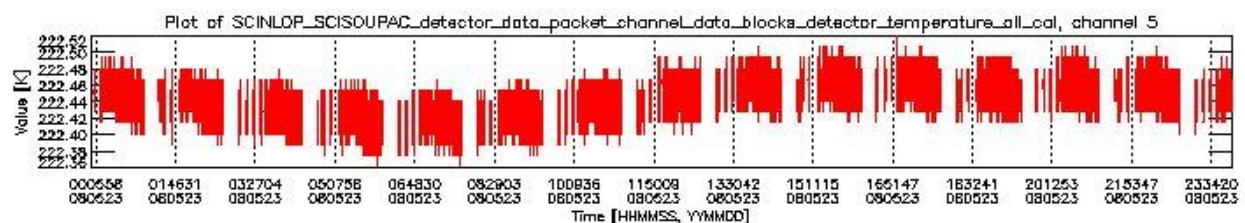
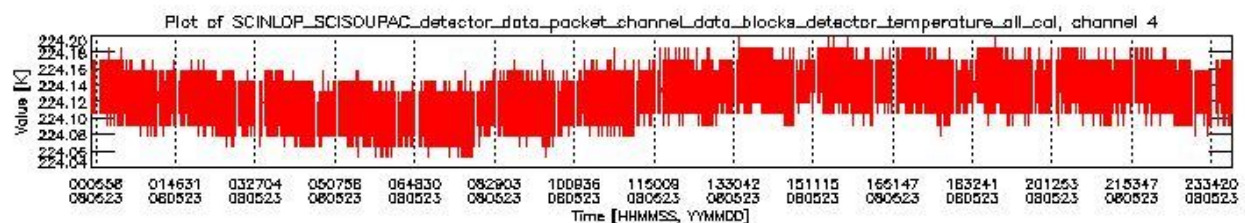
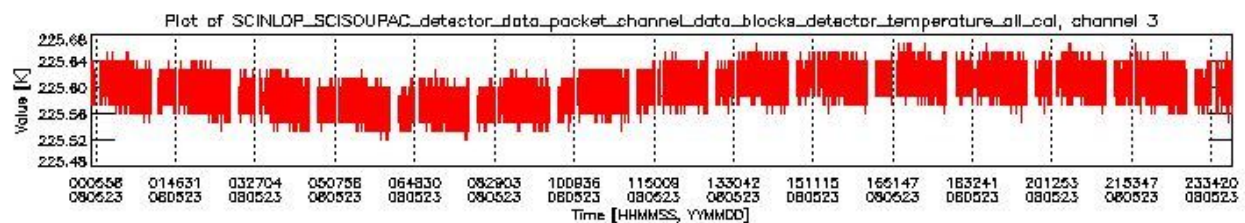
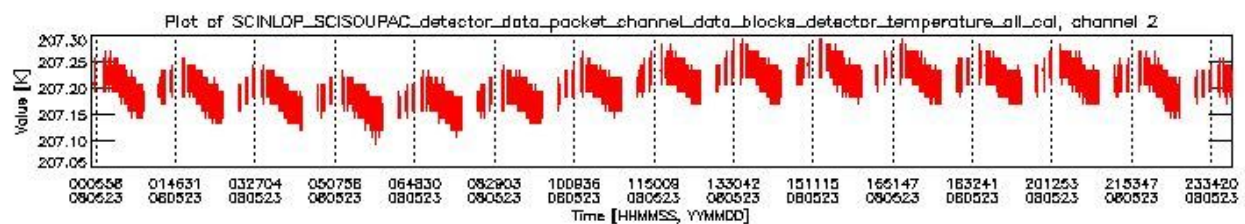
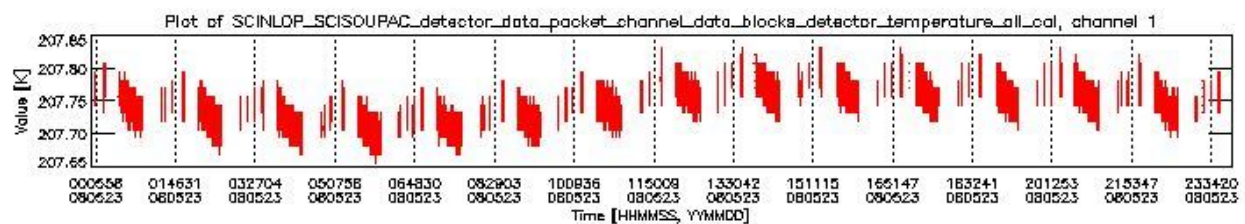
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080523_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080523_3.PNG

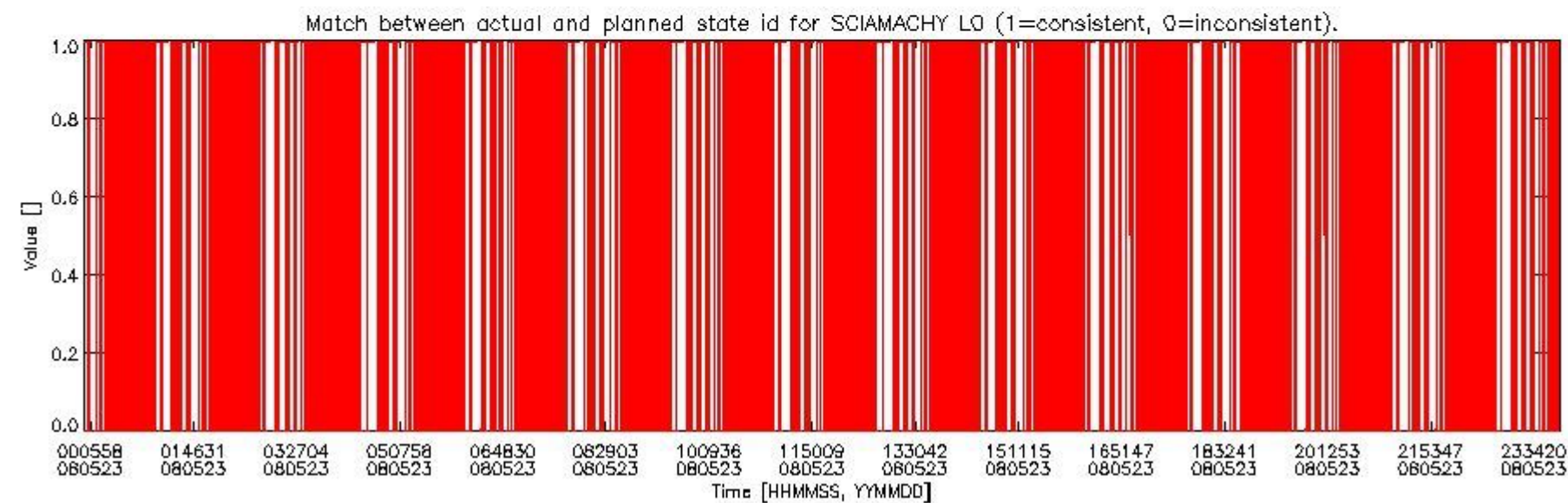
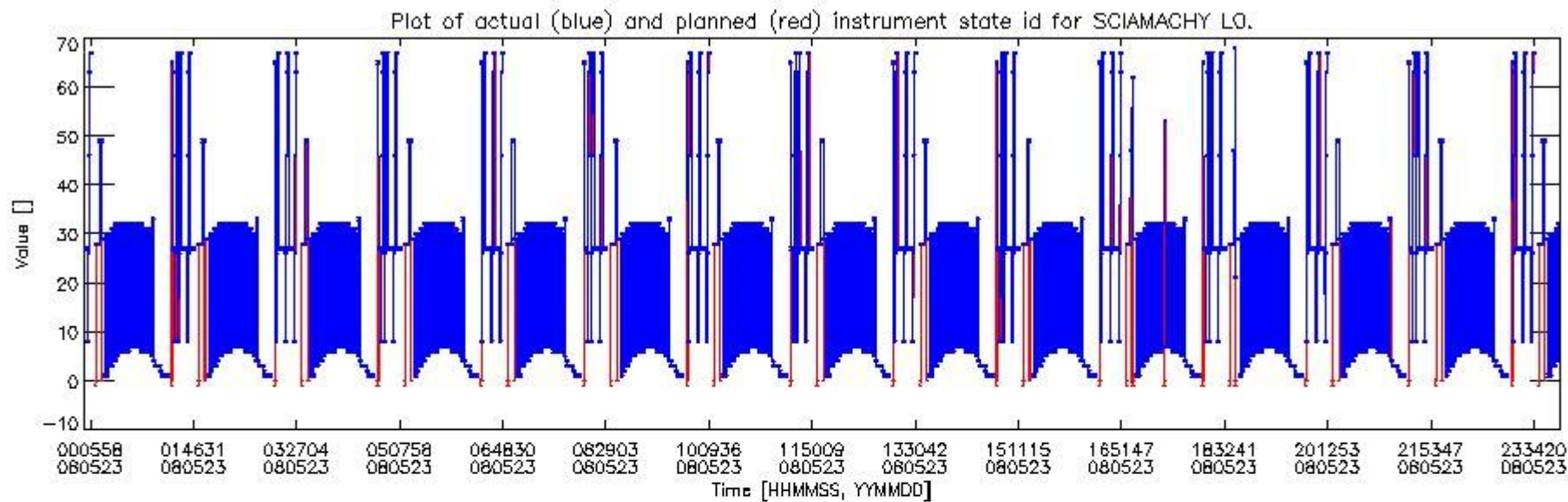


0.3 State monitoring

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: **36268**

#	Actual time	Actual value	Planned time	Planned value
0	23MAY2008 00:03:19.815653	8	23MAY2008 00:03:19.815653	27
1	23MAY2008 00:03:20.940652	8	23MAY2008 00:03:20.940652	27
2	23MAY2008 00:03:21.940687	8	23MAY2008 00:03:21.940687	27
3	23MAY2008 00:03:22.940682	8	23MAY2008 00:03:22.940682	27
4	23MAY2008 00:03:23.940676	8	23MAY2008 00:03:23.940676	27
5	23MAY2008 00:03:24.815666	8	23MAY2008 00:03:24.815666	27
6	23MAY2008 00:03:24.940671	8	23MAY2008 00:03:24.940671	27
7	23MAY2008 00:03:25.940665	8	23MAY2008 00:03:25.940665	27
8	23MAY2008 00:03:26.940660	8	23MAY2008 00:03:26.940660	27
9	23MAY2008 00:04:03.374258	26	23MAY2008 00:04:03.374258	8
10	23MAY2008 00:04:03.999280	26	23MAY2008 00:04:03.999280	8
11	23MAY2008 00:04:04.499257	26	23MAY2008 00:04:04.499257	8
12	23MAY2008 00:04:04.999275	26	23MAY2008 00:04:04.999275	8
13	23MAY2008 00:04:05.499252	26	23MAY2008 00:04:05.499252	8
14	23MAY2008 00:04:05.999269	26	23MAY2008 00:04:05.999269	8
15	23MAY2008 00:04:06.499287	26	23MAY2008 00:04:06.499287	8
16	23MAY2008 00:04:06.999264	26	23MAY2008 00:04:06.999264	8
17	23MAY2008 00:04:07.499281	26	23MAY2008 00:04:07.499281	8
18	23MAY2008 00:04:07.999258	26	23MAY2008 00:04:07.999258	8
19	23MAY2008 00:04:08.374271	26	23MAY2008 00:04:08.374271	8

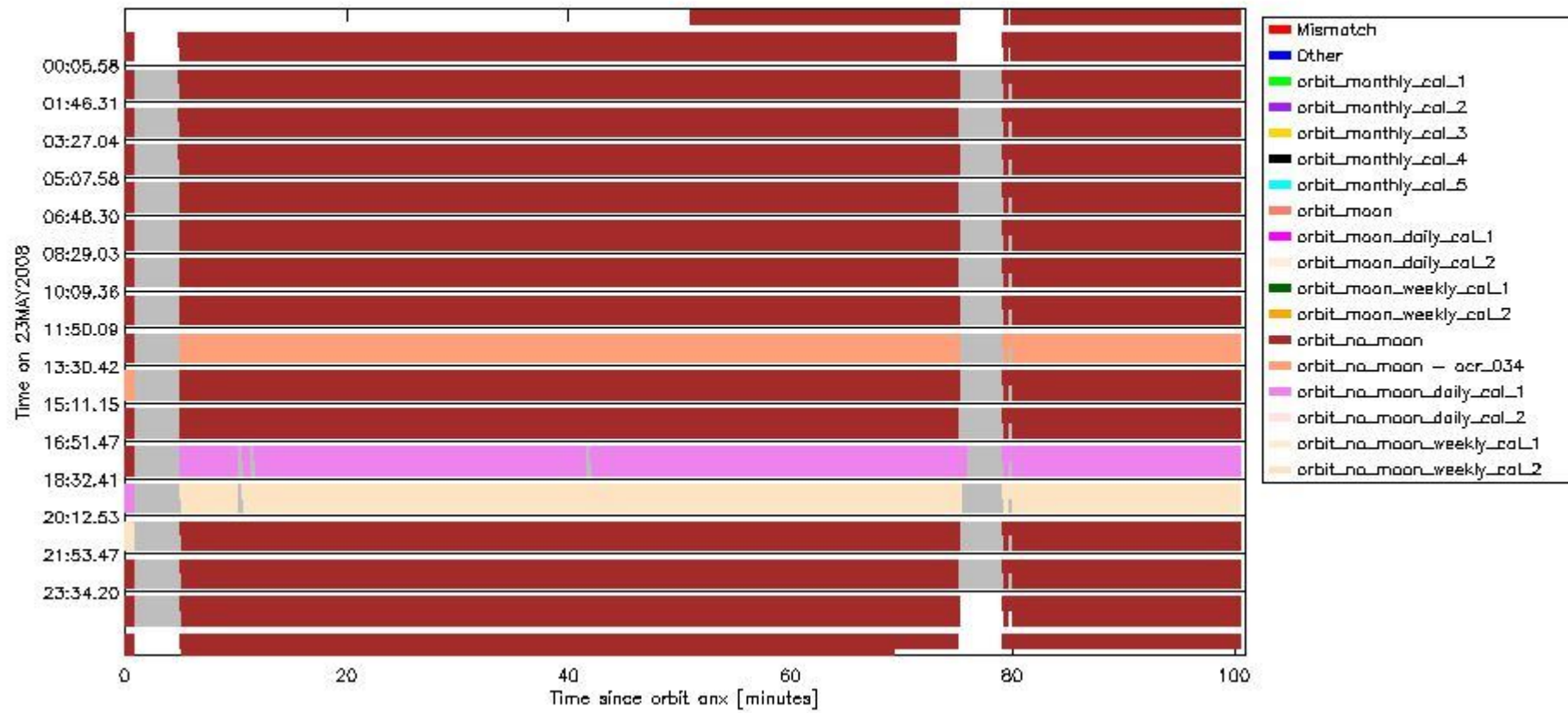


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080523_5.PNG

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 23MAY2008.
 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_20080523_6.PNG

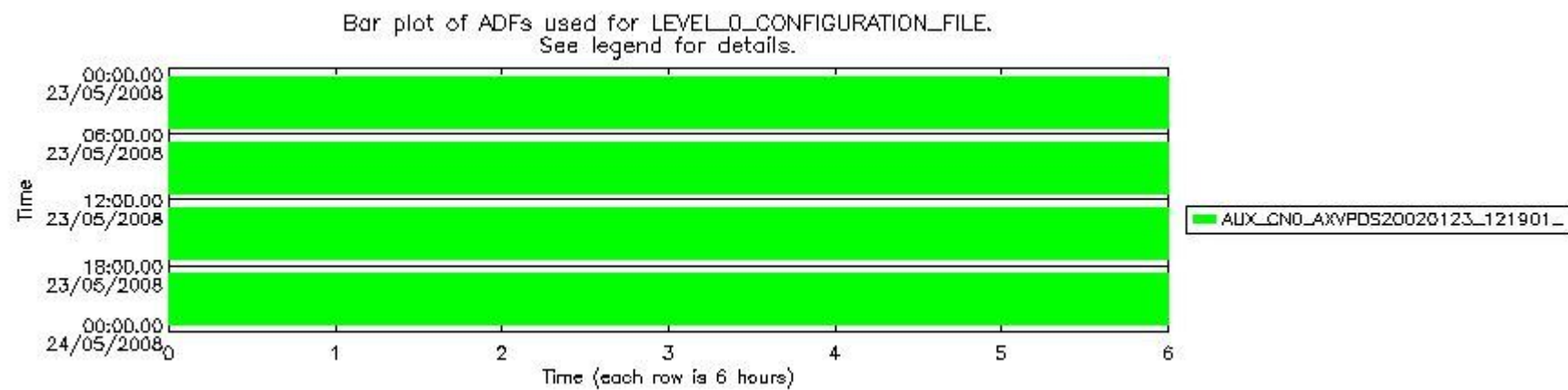
0.4 ADF monitoring

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

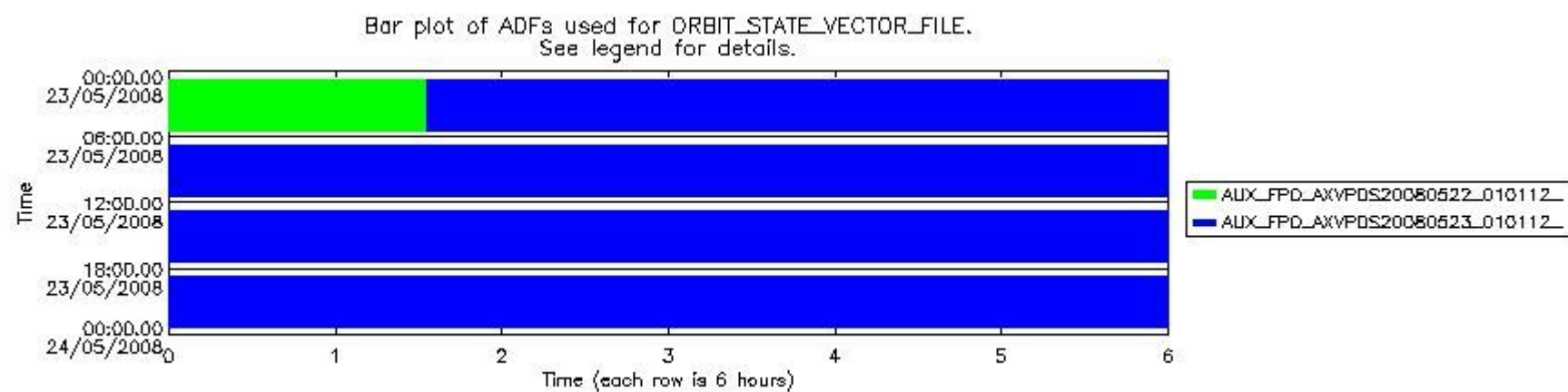
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

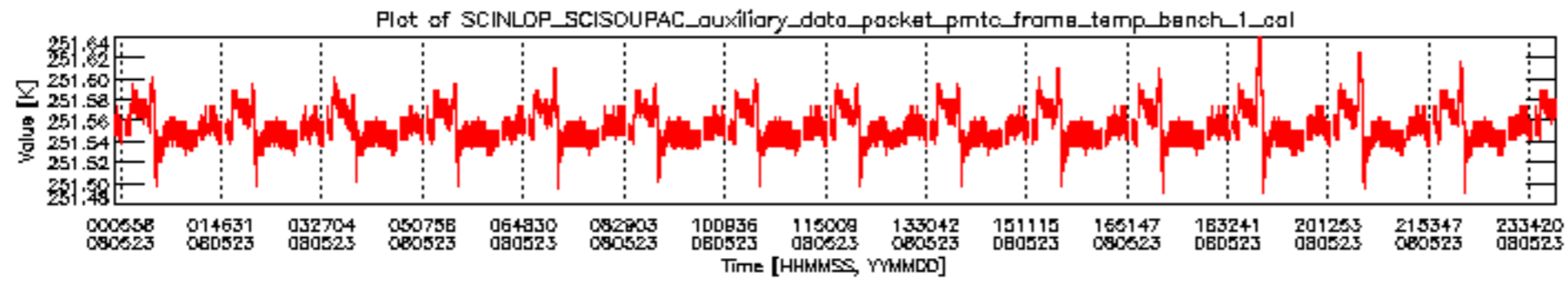
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080522_010112_20080521_193547_20080531_210201
2	AUX_FPO_AXVPDS20080523_010112_20080522_190410_20080601_203024

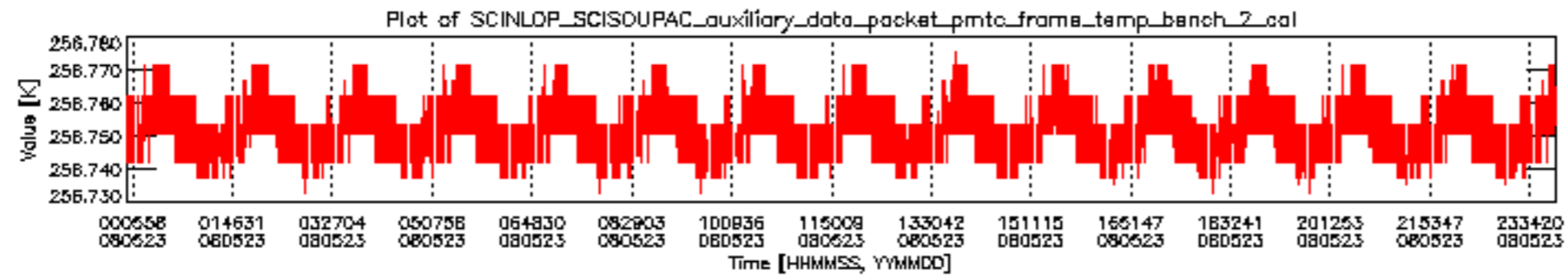


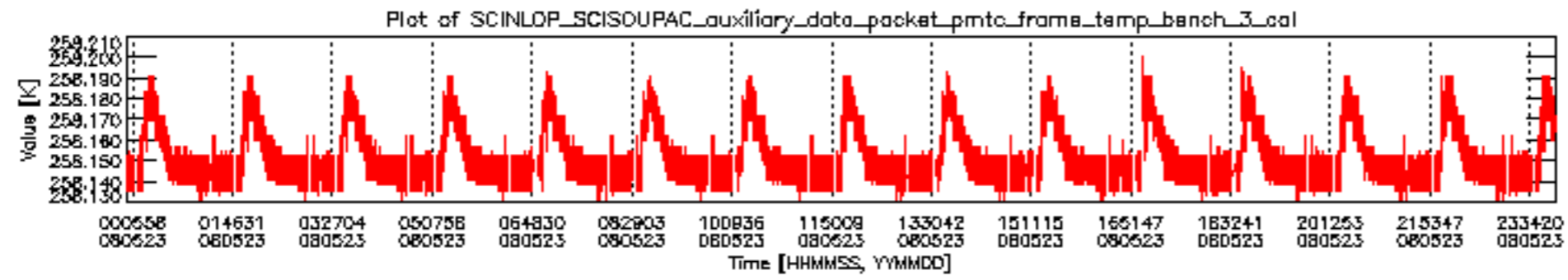
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080523_7.PNG

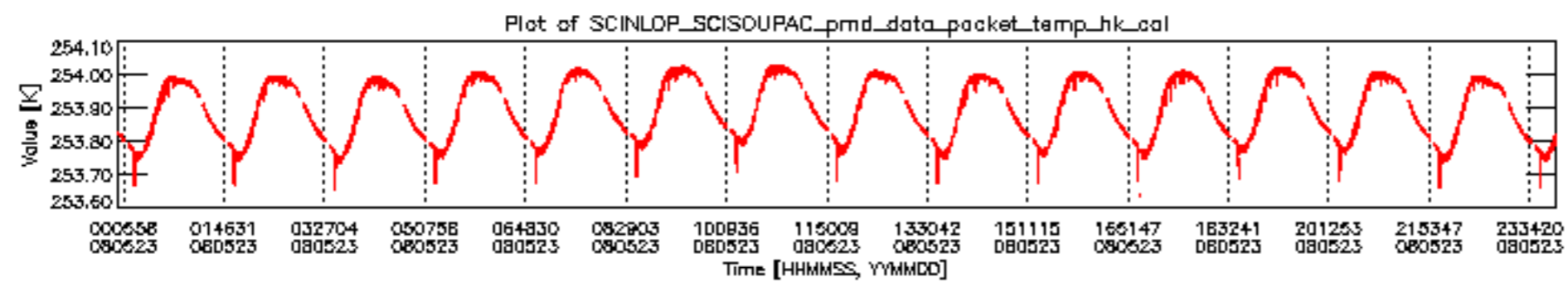


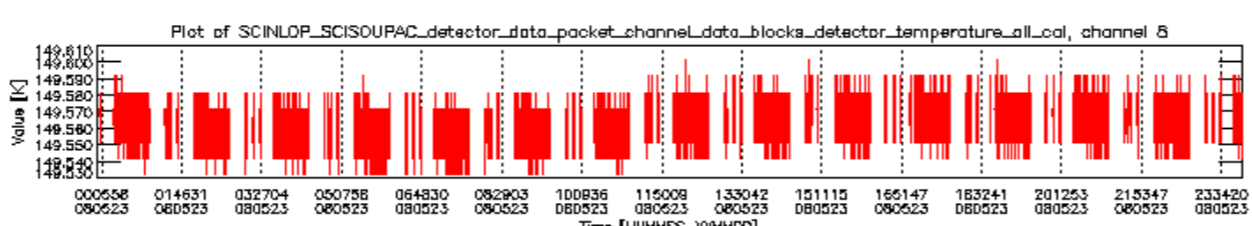
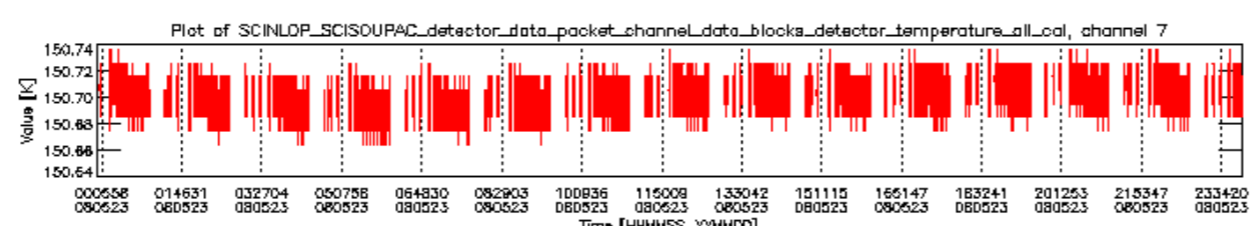
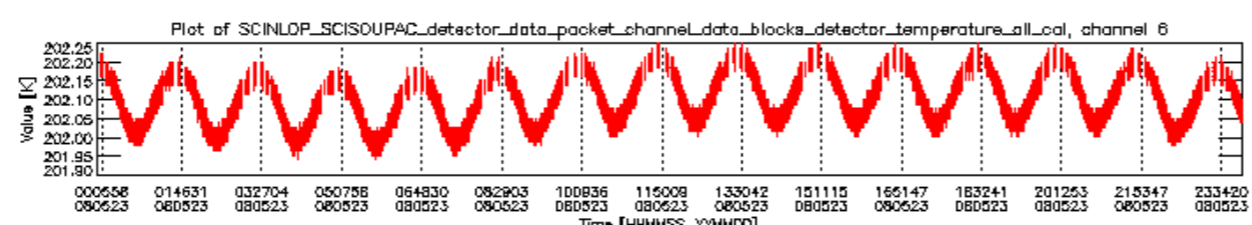
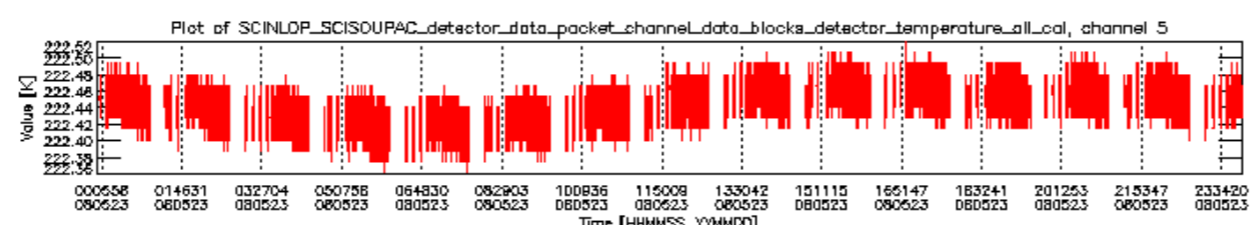
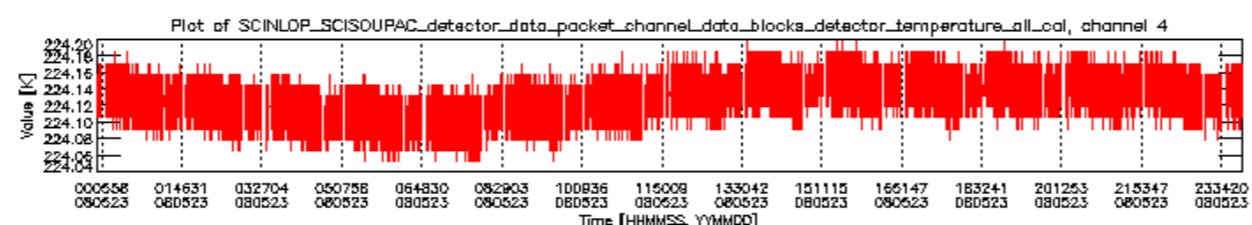
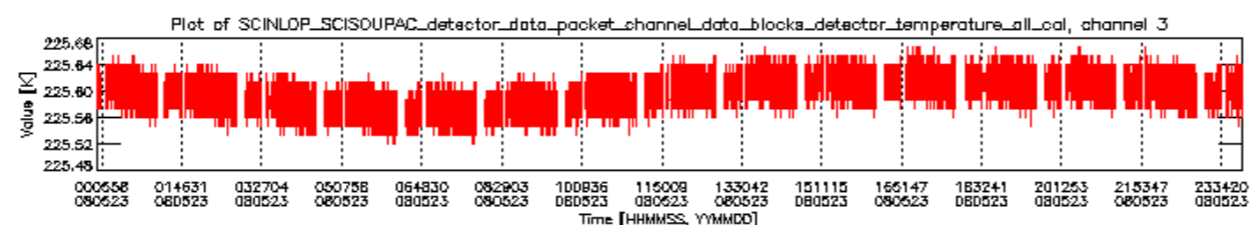
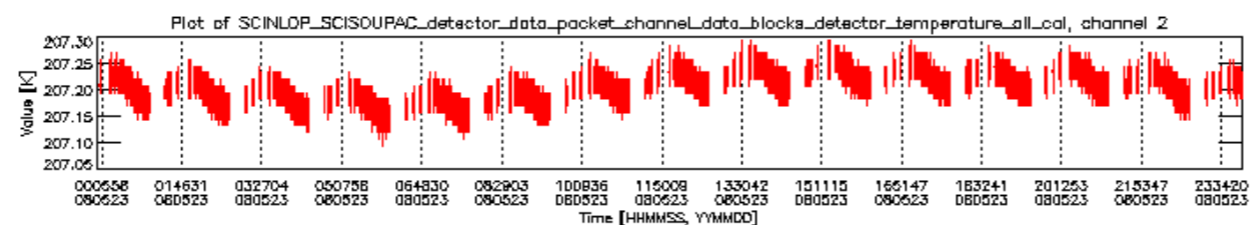
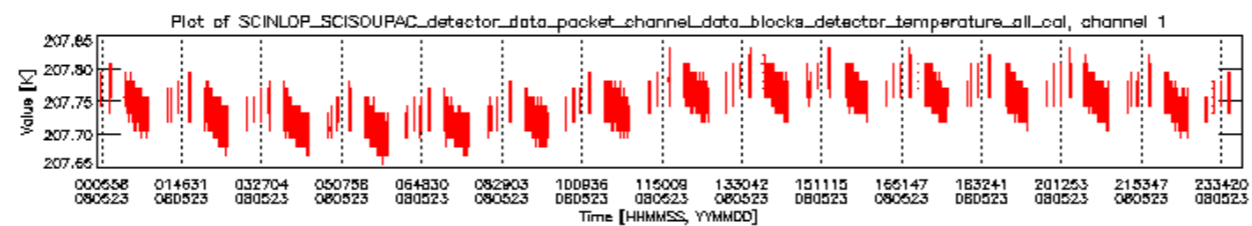
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080523_8.PNG











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