

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	04JUL2008 05:04:14
Data source version	KSPT_L0/4303-N
Processing scope for products	30JUN2008 00:00:00 to 01JUL2008 00:00:00
Start time of first product within scope	29JUN2008 23:58:09
Stop time of last product within scope	30JUN2008 22:07:23
Total number of level 0 products	16
Number of level 0 products with errors	2

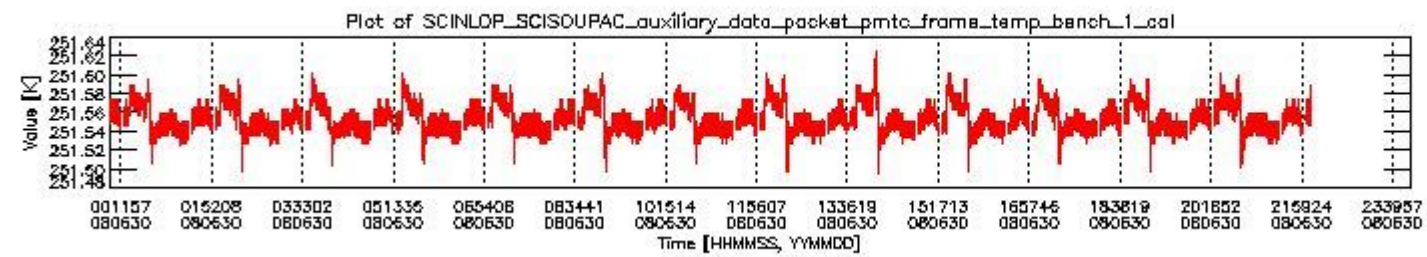
0.1.2 Summary per product

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

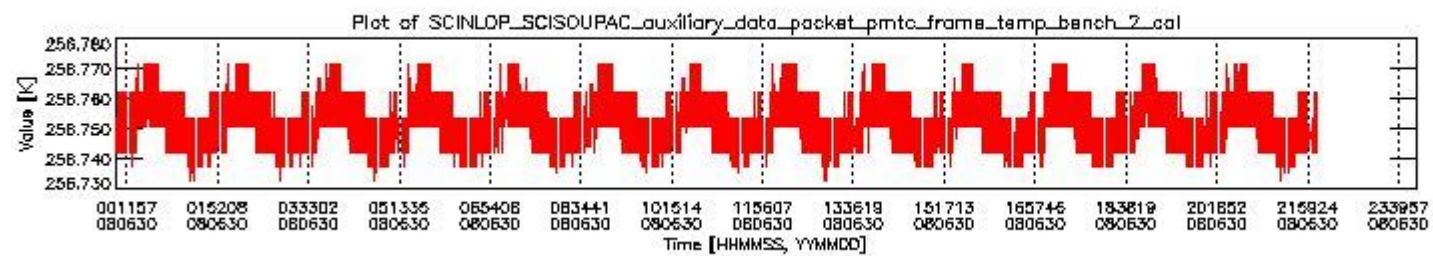
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080629_235809_000060282069_00488_33107_7019.N1	29JUN2008 23:58:09	30JUN2008 01:38:37	0	0	0	0	0
1	SCI_NL__OPNPDE20080630_013837_000046552069_00489_33108_7020.N1	30JUN2008 01:38:37	30JUN2008 02:56:11	0	0	0	0	0
2	SCI_NL__OPNPDE20080630_025503_000059122069_00490_33109_7021.N1	30JUN2008 02:55:03	30JUN2008 04:33:34	0	0	0	0	0
3	SCI_NL__OPNPDE20080630_043334_000060362069_00491_33110_7022.N1	30JUN2008 04:33:34	30JUN2008 06:14:10	0	0	0	0	0
4	SCI_NL__OPNPDK20080630_061302_000041822069_00492_33111_8638.N1	30JUN2008 06:13:02	30JUN2008 07:22:44	0	0	0	0	0
5	SCI_NL__OPNPDK20080630_072244_000060922069_00493_33112_8639.N1	30JUN2008 07:22:44	30JUN2008 09:04:16	0	0	0	0	0
6	SCI_NL__OPNPDK20080630_090307_000060492069_00494_33113_8640.N1	30JUN2008 09:03:07	30JUN2008 10:43:56	1	0	1	0	0
7	SCI_NL__OPNPDK20080630_104247_000059672069_00495_33114_8641.N1	30JUN2008 10:42:47	30JUN2008 12:22:15	0	0	0	0	0
8	SCI_NL__OPNPDK20080630_122215_000059802069_00496_33115_8642.N1	30JUN2008 12:22:15	30JUN2008 14:01:55	0	0	0	0	0
9	SCI_NL__OPNPDK20080630_140059_000059672069_00497_33116_8643.N1	30JUN2008 14:00:59	30JUN2008 15:40:26	0	0	0	0	0
10	SCI_NL__OPNPDK20080630_153918_000059002069_00498_33117_8644.N1	30JUN2008 15:39:18	30JUN2008 17:17:37	0	0	0	0	0
11	SCI_NL__OPNPDK20080630_171642_000059392069_00499_33118_8645.N1	30JUN2008 17:16:42	30JUN2008 18:55:41	1	0	1	0	0
12	SCI_NL__OPNPDK20080630_185445_000059522069_00500_33119_8646.N1	30JUN2008 18:54:45	30JUN2008 20:33:57	0	0	0	0	0
13	SCI_NL__OPNPDE20080630_203301_000044962069_00501_33120_7023.N1	30JUN2008 20:33:01	30JUN2008 21:47:56	0	0	0	0	0
14	SCI_NL__OPNPDK20080630_214712_000012102069_00501_33120_8647.N1	30JUN2008 21:47:12	30JUN2008 22:07:23	0	0	0	0	0
15	SCI_NL__OPNPDE20080630_220338_000002252070_00001_33121_7024.N1	30JUN2008 22:03:38	30JUN2008 22:07:23	0	0	0	0	0

0.2 Product Quality Indicators

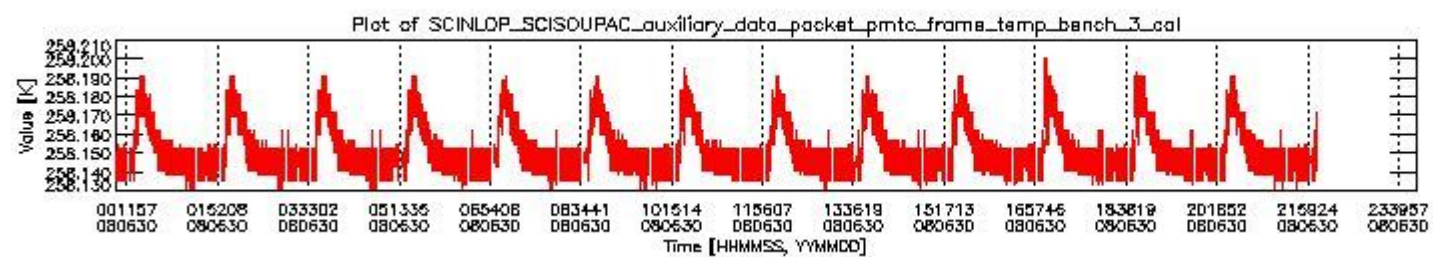
This section shows information about product quality, currently temperatures.



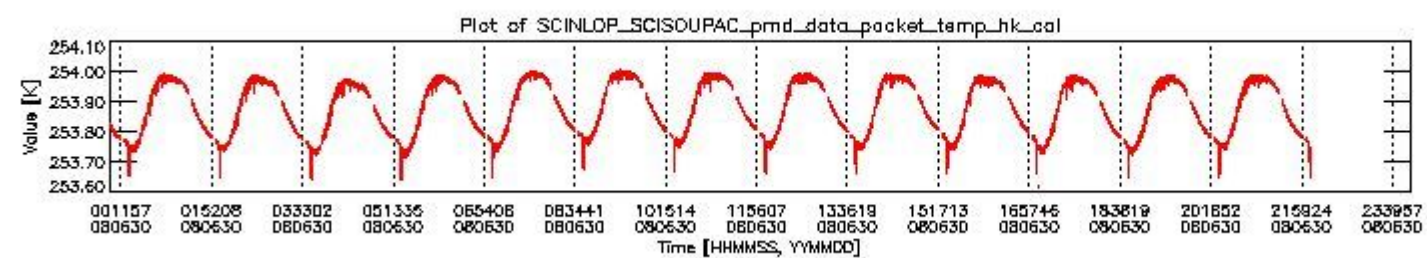
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080630_0.PNG



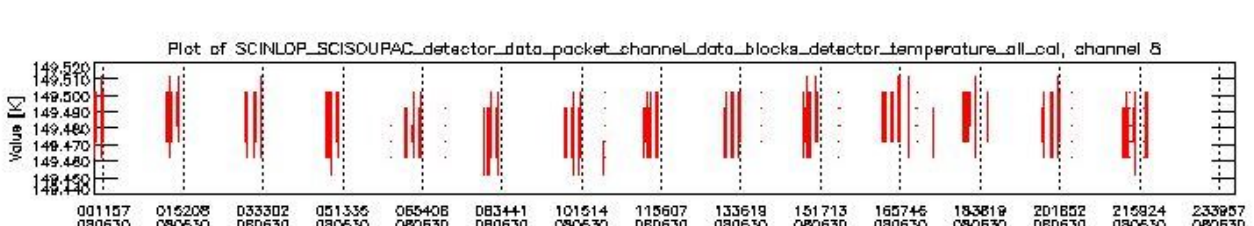
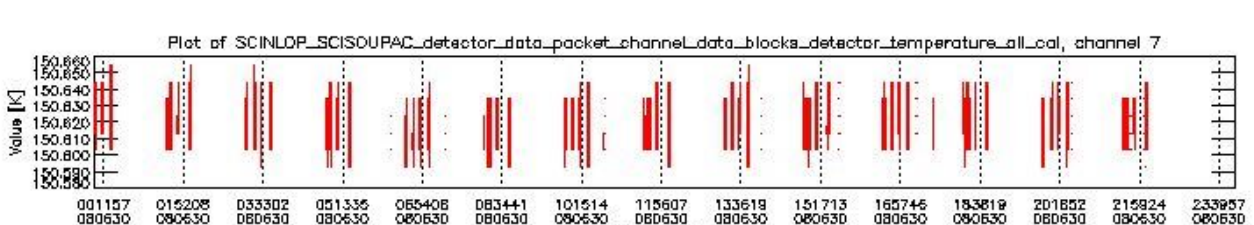
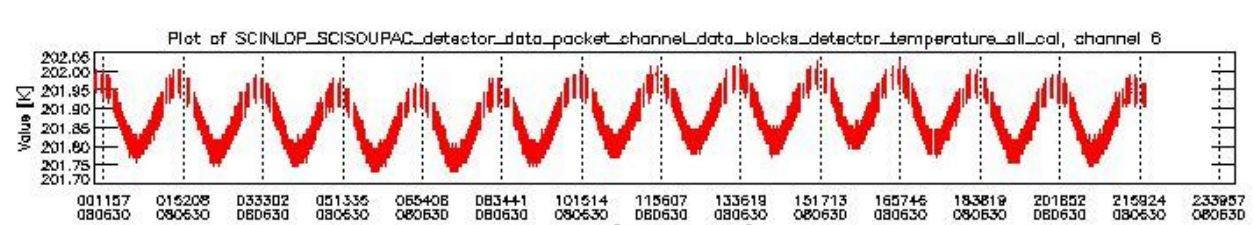
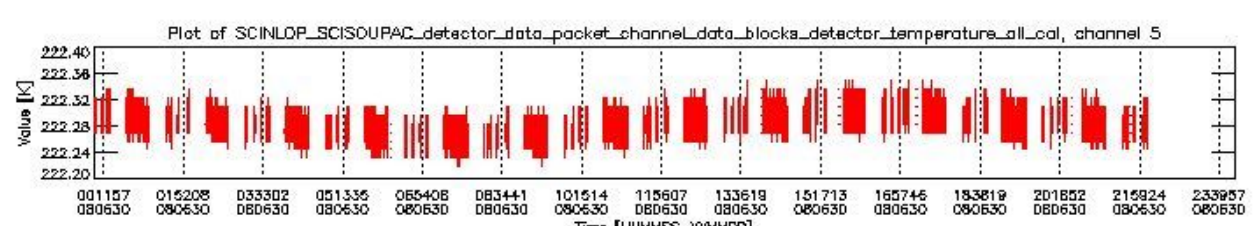
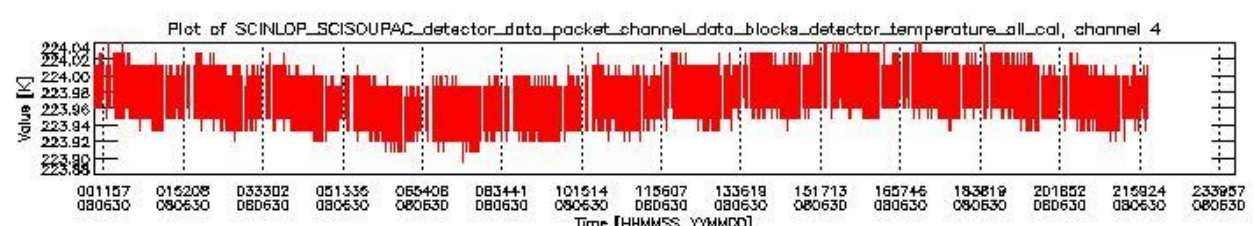
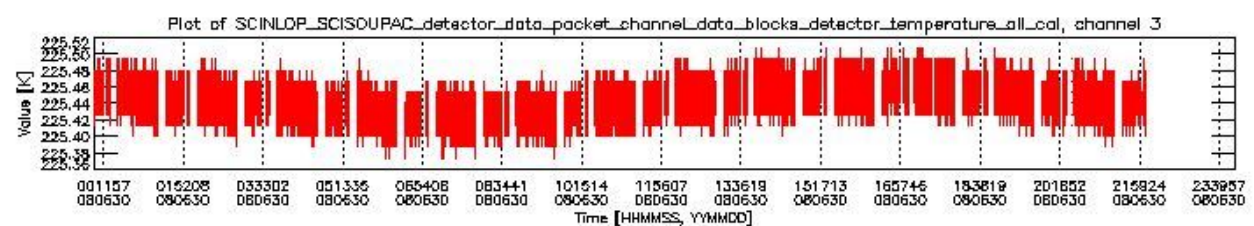
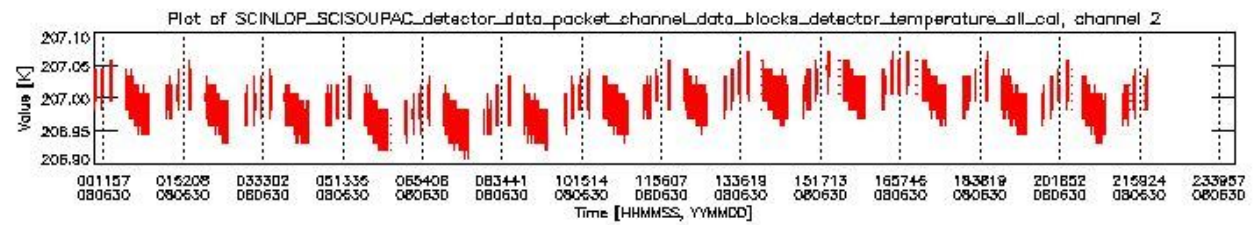
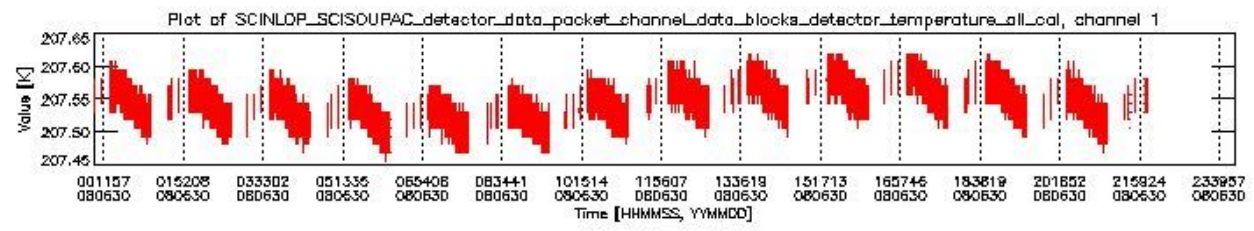
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080630_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080630_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080630_3.PNG

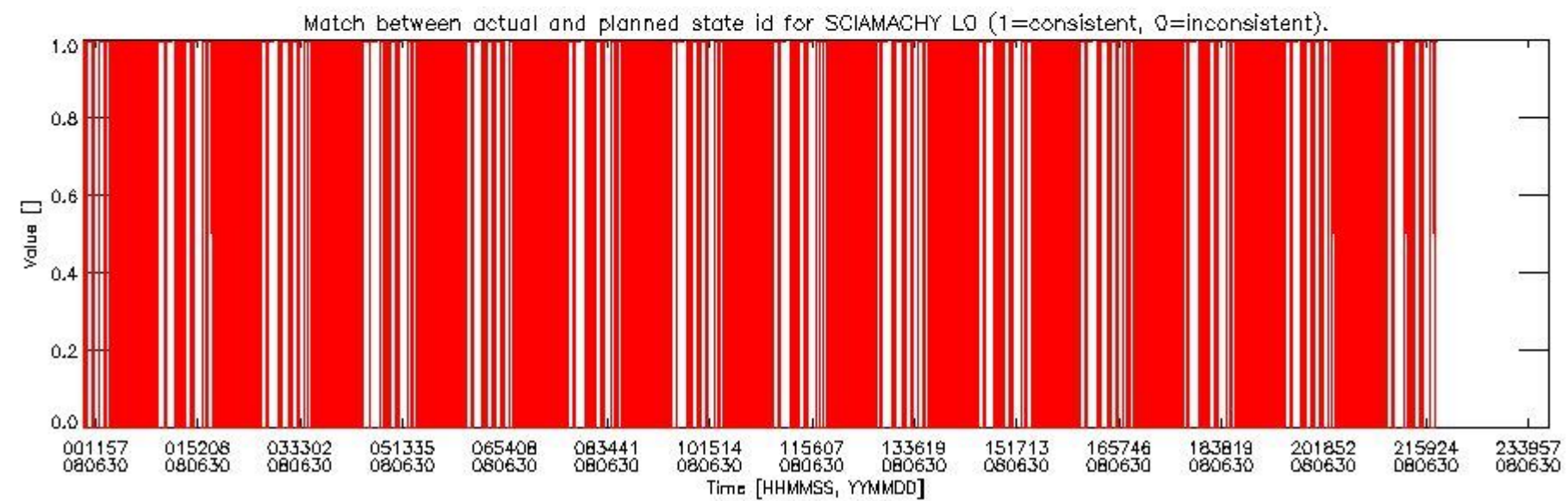
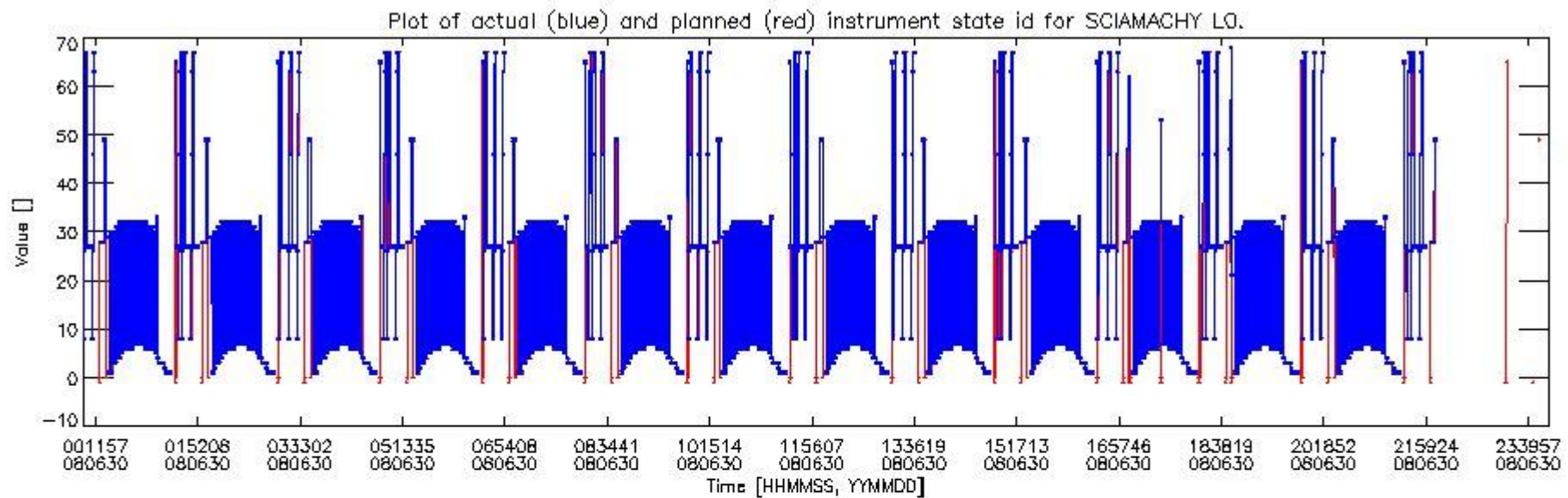


0.3 State monitoring

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: **33212**

#	Actual time	Actual value	Planned time	Planned value
0	30JUN2008 00:00:20.780455	26	30JUN2008 00:00:20.780455	8
1	30JUN2008 00:00:21.405436	26	30JUN2008 00:00:21.405436	8
2	30JUN2008 00:00:21.905454	26	30JUN2008 00:00:21.905454	8
3	30JUN2008 00:00:22.405431	26	30JUN2008 00:00:22.405431	8
4	30JUN2008 00:00:22.905448	26	30JUN2008 00:00:22.905448	8
5	30JUN2008 00:00:23.405465	26	30JUN2008 00:00:23.405465	8
6	30JUN2008 00:00:23.905443	26	30JUN2008 00:00:23.905443	8
7	30JUN2008 00:00:24.405460	26	30JUN2008 00:00:24.405460	8
8	30JUN2008 00:00:24.905437	26	30JUN2008 00:00:24.905437	8
9	30JUN2008 00:00:25.405455	26	30JUN2008 00:00:25.405455	8
10	30JUN2008 00:00:25.780427	26	30JUN2008 00:00:25.780427	8
11	30JUN2008 00:00:25.905432	26	30JUN2008 00:00:25.905432	8
12	30JUN2008 00:00:26.405449	26	30JUN2008 00:00:26.405449	8
13	30JUN2008 00:00:26.905426	26	30JUN2008 00:00:26.905426	8
14	30JUN2008 00:00:27.405444	26	30JUN2008 00:00:27.405444	8
15	30JUN2008 00:00:27.905461	26	30JUN2008 00:00:27.905461	8
16	30JUN2008 00:00:54.342936	46	30JUN2008 00:00:54.342936	26
17	30JUN2008 00:00:54.967958	46	30JUN2008 00:00:54.967958	26
18	30JUN2008 00:00:55.467935	46	30JUN2008 00:00:55.467935	26
19	30JUN2008 00:00:55.967952	46	30JUN2008 00:00:55.967952	26

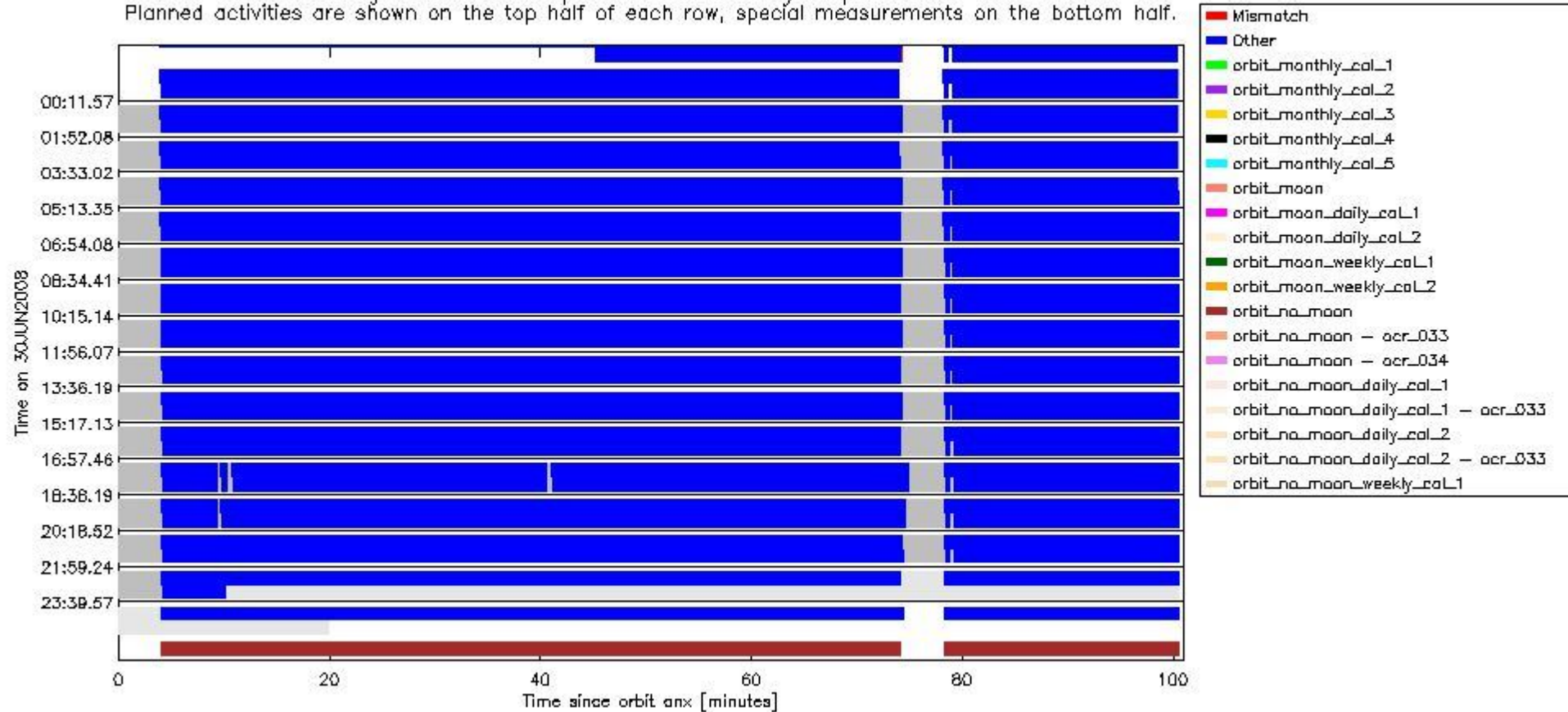


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080630_5.PNG

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 30JUN2008.
 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_20080630_6.PNG

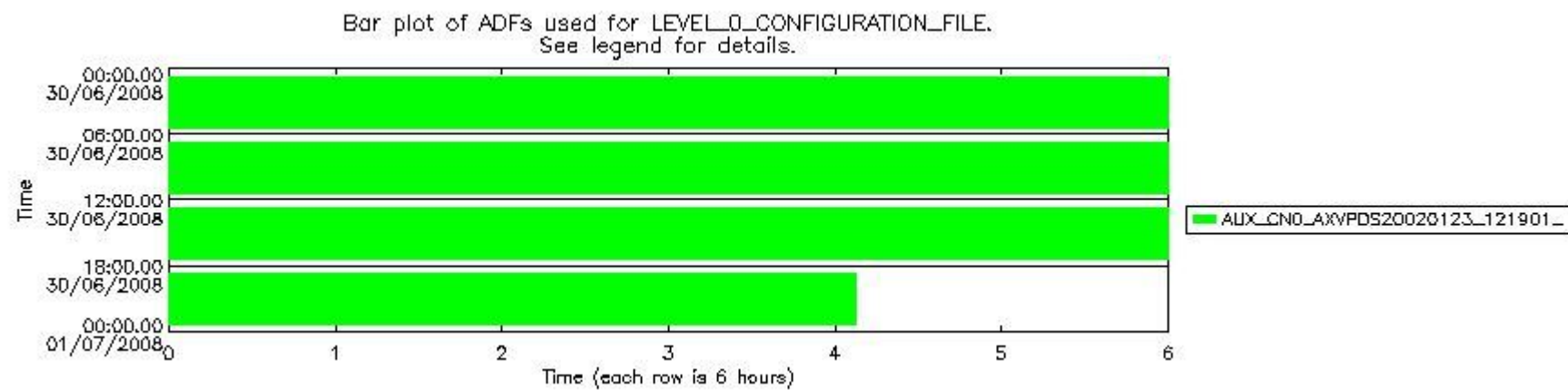
0.4 ADF monitoring

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

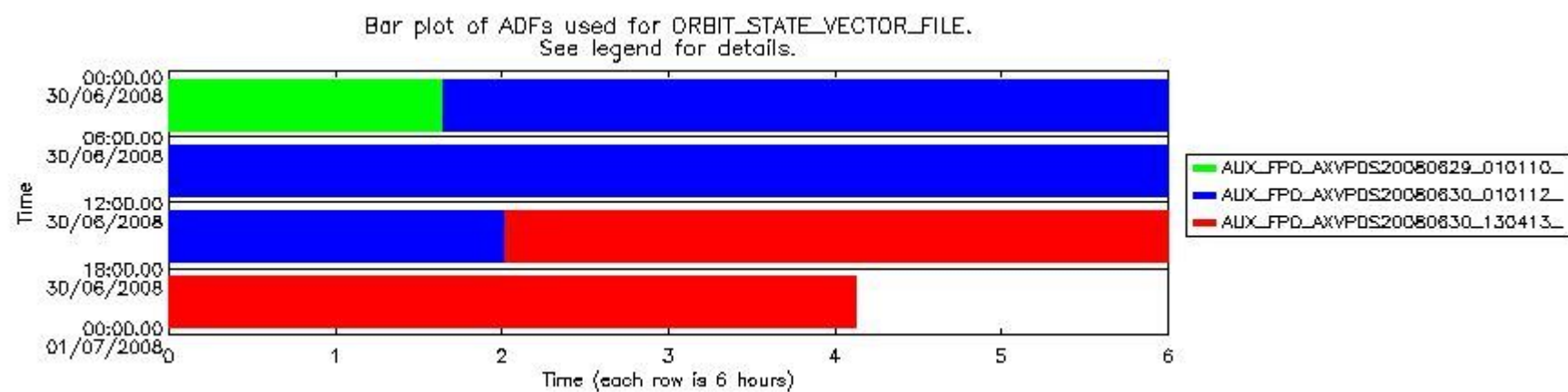
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

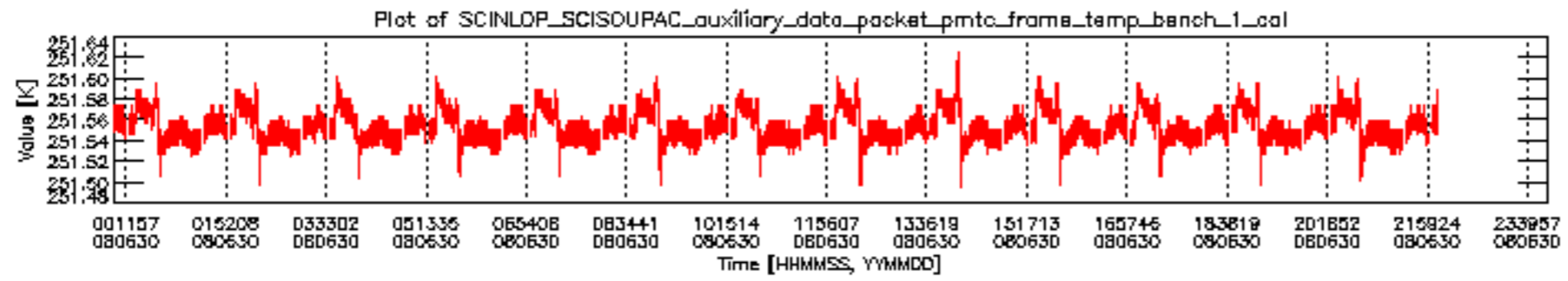
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080629_010110_20080628_194133_20080708_210746
2	AUX_FPO_AXVPDS20080630_010112_20080629_190956_20080709_203609
3	AUX_FPO_AXVPDS20080630_130413_20080630_065408_20080709_235721

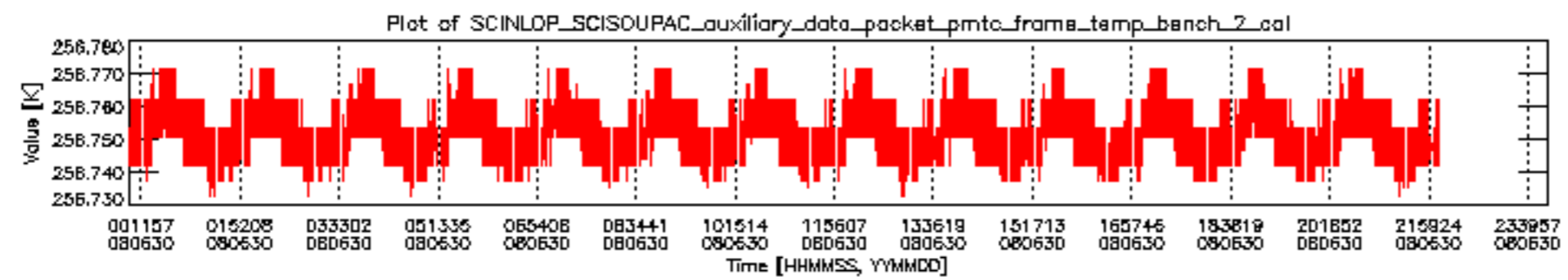


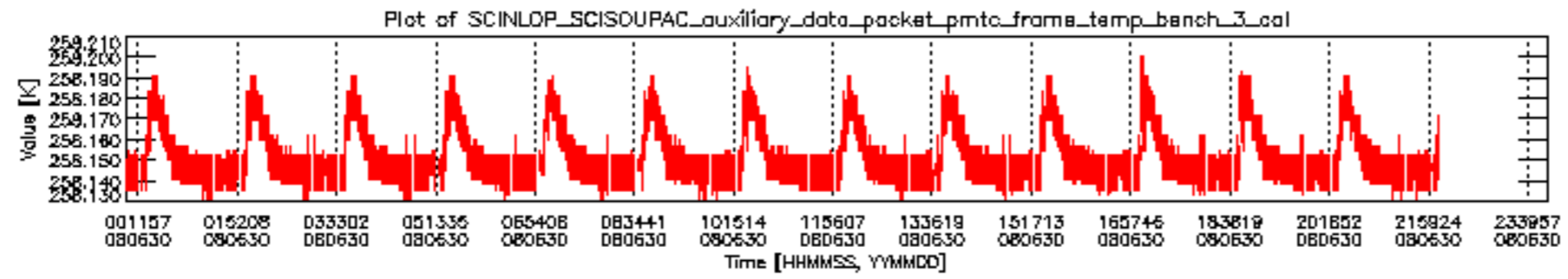
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080630_7.PNG

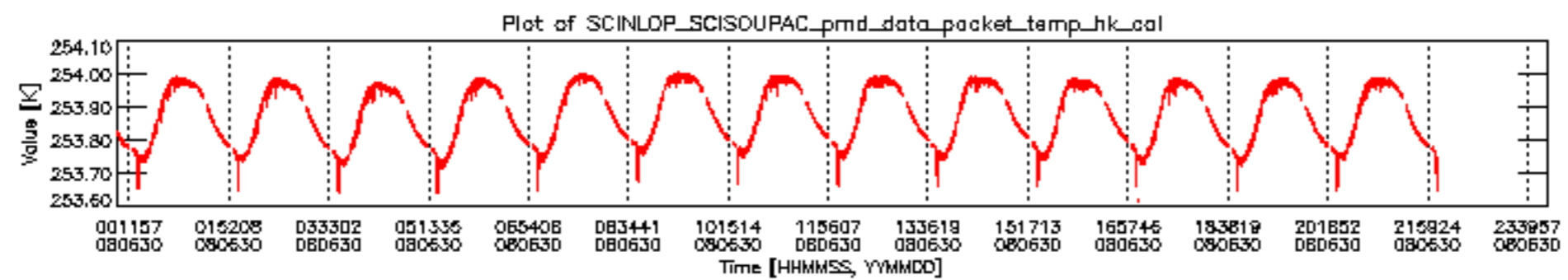


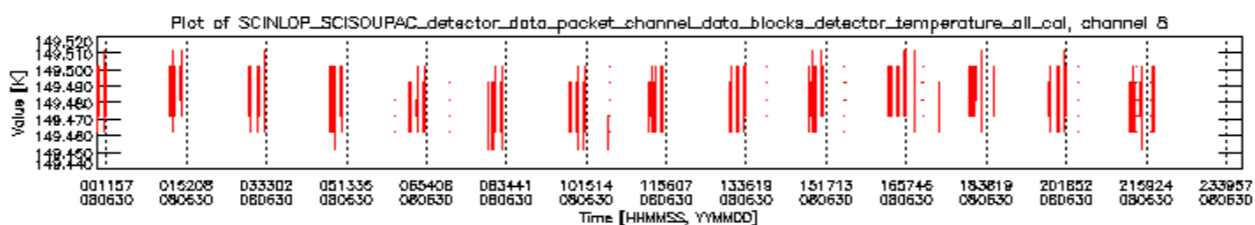
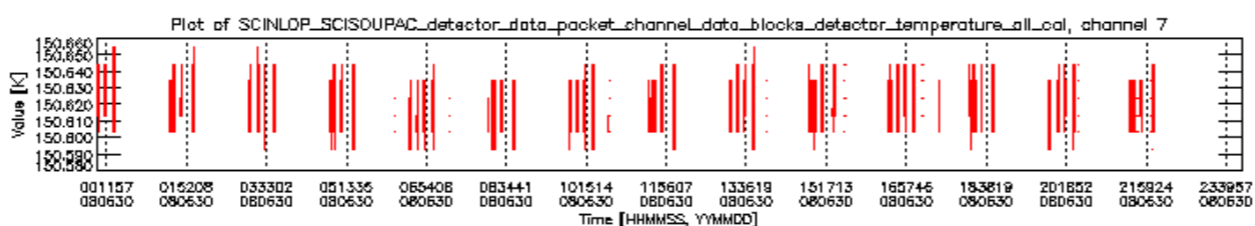
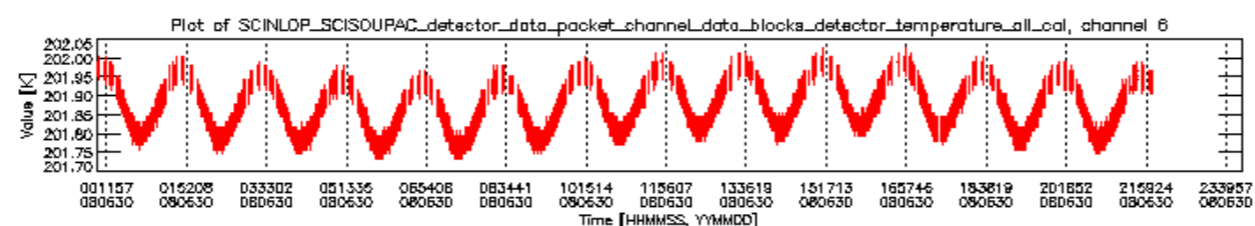
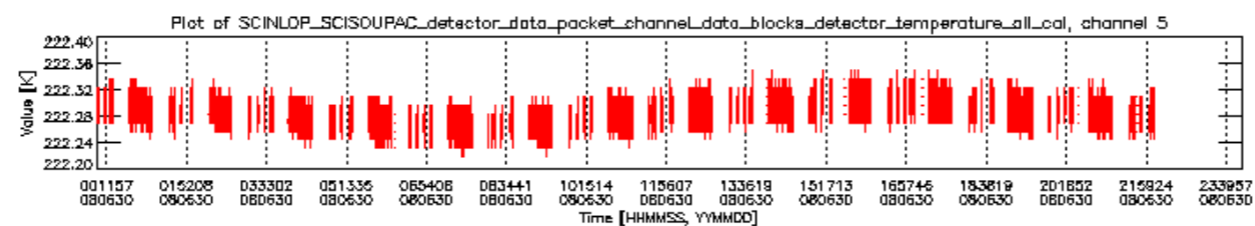
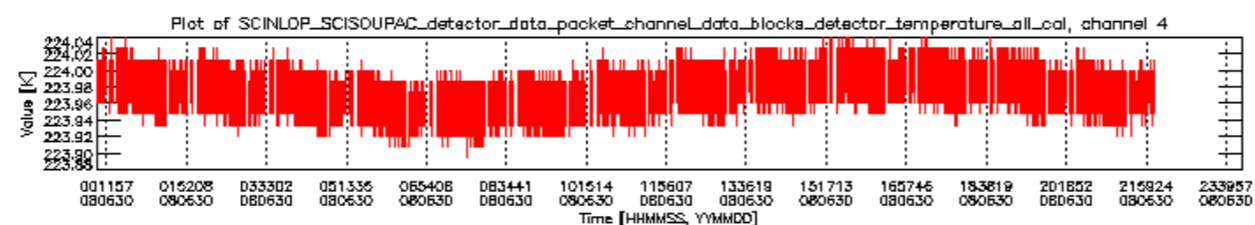
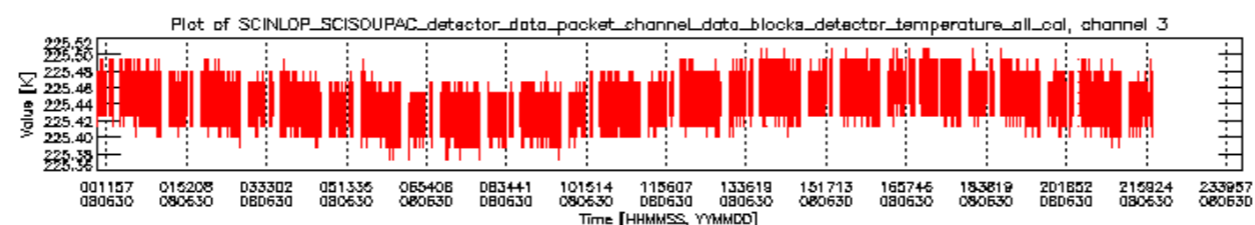
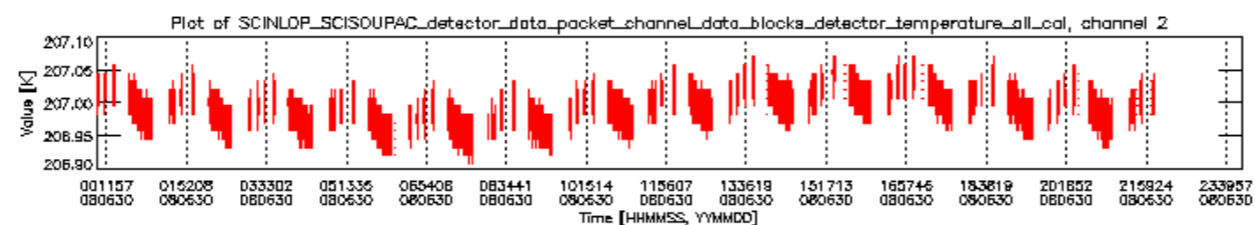
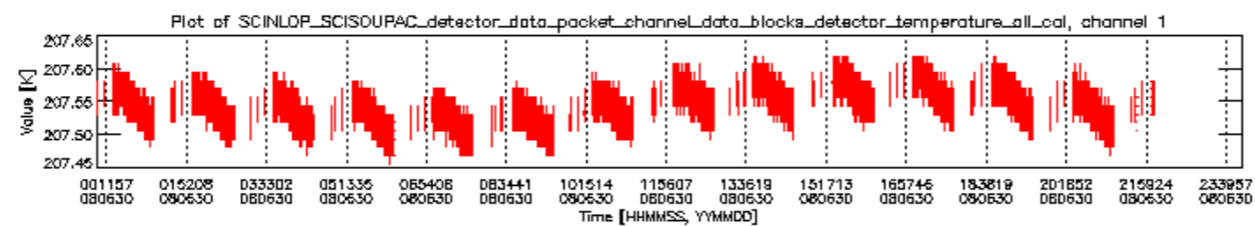
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080630_8.PNG



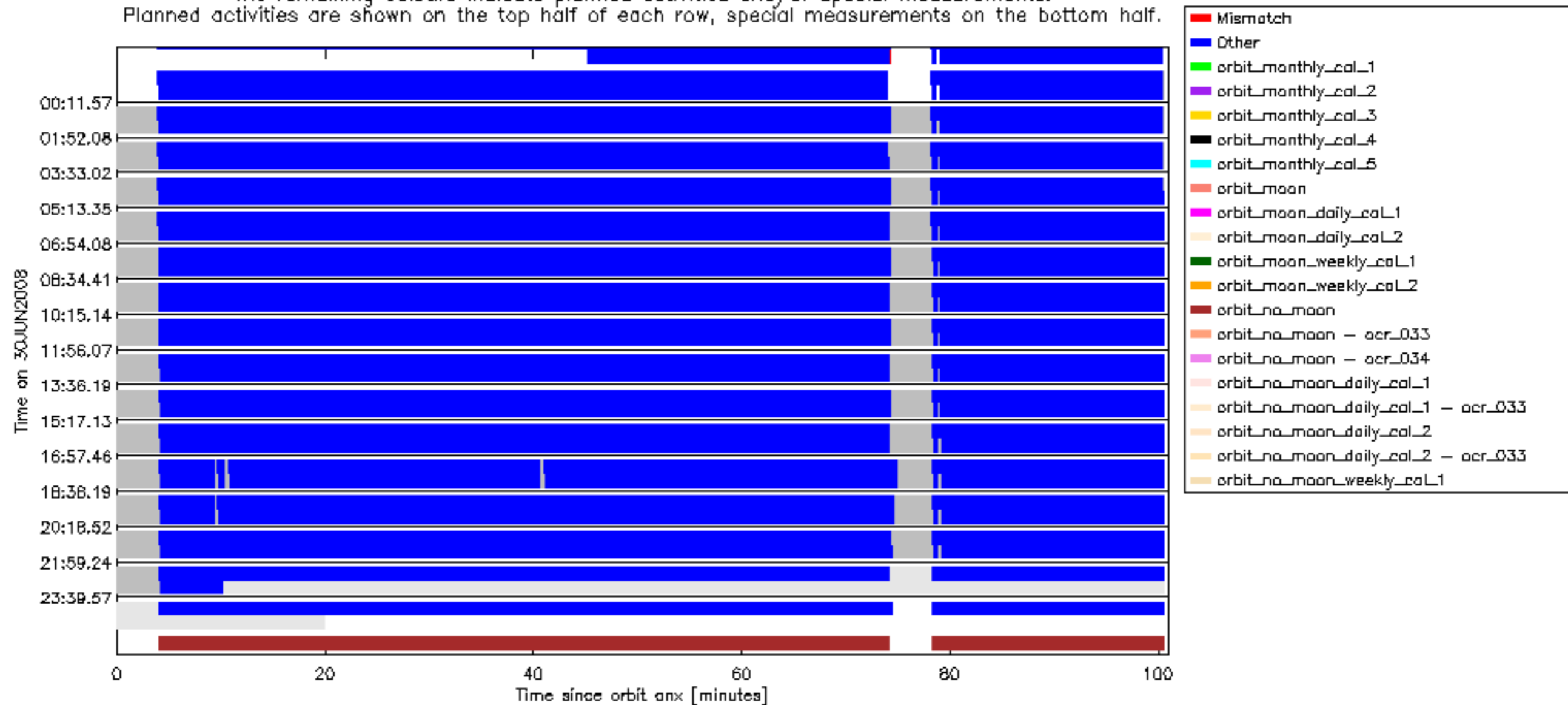


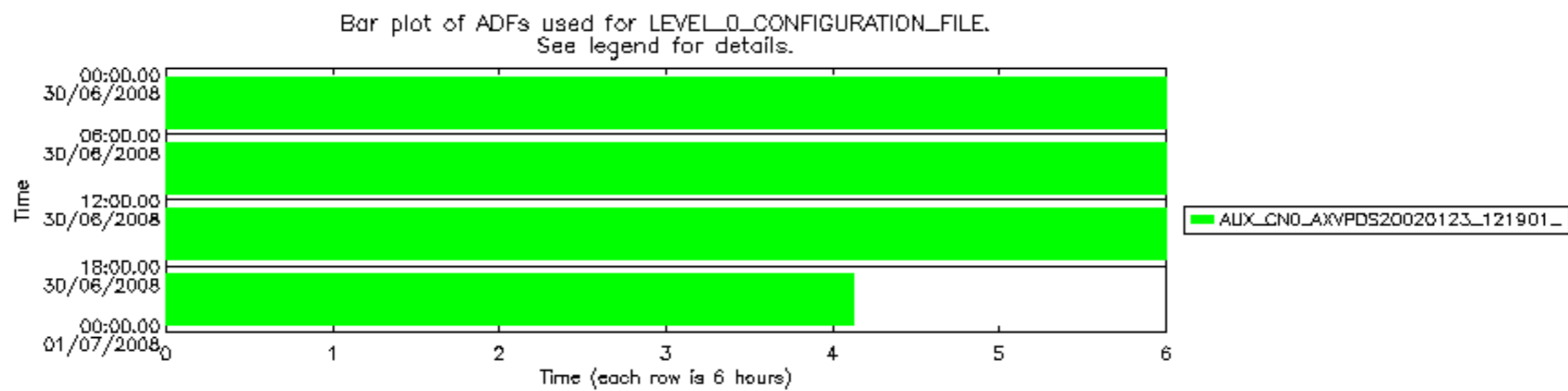






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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 The remaining colours indicate planned activities and/or special measurements.
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Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

