

0. SCIAMACHY Daily Report for level 0 products

[0.1 General Info](#)

[0.2 Product Quality Indicators](#)

[0.3 State monitoring](#)

[0.4 ADF monitoring](#)

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	23APR2008 04:42:22
Data source version	KSPT_L0/4303-N
Processing scope for products	19APR2008 00:00:00 to 20APR2008 00:00:00
Start time of first product within scope	18APR2008 23:21:01
Stop time of last product within scope	20APR2008 00:32:01
Total number of level 0 products	17
Number of level 0 products with errors	0

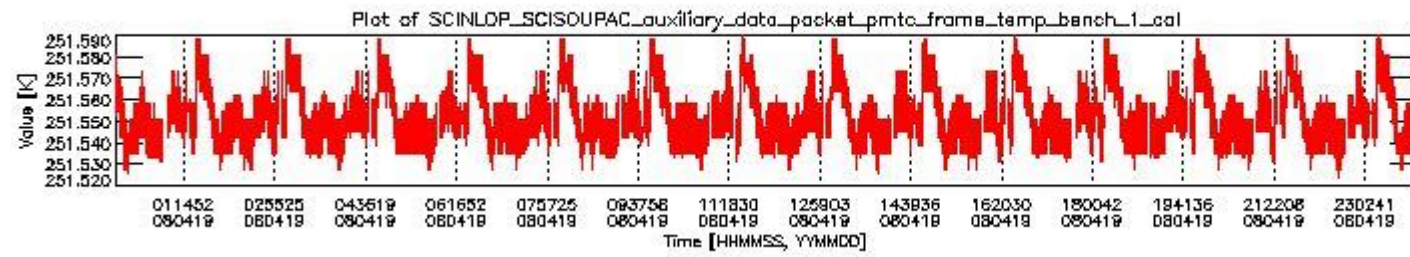
0.1.2 Summary per product

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

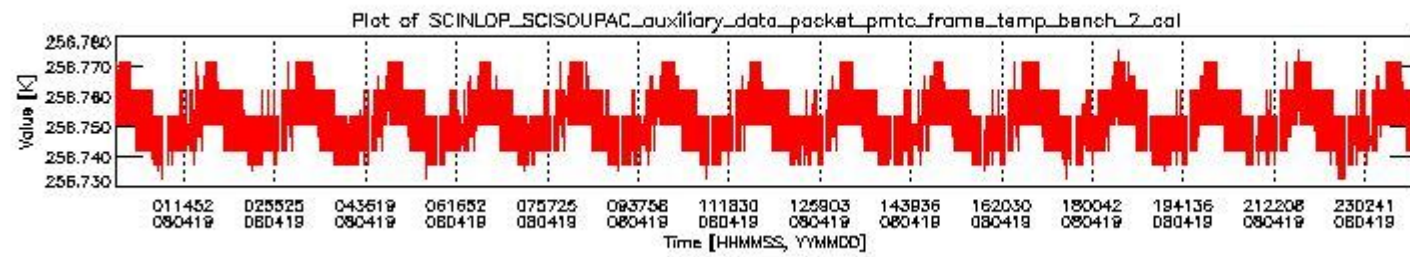
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080418_232101_000061192067_00459_32076_6517.N1	18APR2008 23:21:01	19APR2008 01:03:00	0	0	0	0	0
1	SCI_NL__OPNPDE20080419_010132_000046822067_00460_32077_6518.N1	19APR2008 01:01:32	19APR2008 02:19:34	0	0	0	0	0
2	SCI_NL__OPNPDE20080419_021934_000058052067_00461_32078_6519.N1	19APR2008 02:19:34	19APR2008 03:56:19	0	0	0	0	0
3	SCI_NL__OPNPDE20080419_035619_000060362067_00462_32079_6520.N1	19APR2008 03:56:19	19APR2008 05:36:55	0	0	0	0	0
4	SCI_NL__OPNPDE20080419_053655_000061042067_00463_32080_6521.N1	19APR2008 05:36:55	19APR2008 07:18:39	0	0	0	0	0
5	SCI_NL__OPNPDK20080419_071839_000039762067_00464_32081_7989.N1	19APR2008 07:18:39	19APR2008 08:24:55	0	0	0	0	0
6	SCI_NL__OPNPDK20080419_082455_000049392067_00465_32082_7990.N1	19APR2008 08:24:55	19APR2008 09:47:14	0	0	0	0	0
7	SCI_NL__OPNPDK20080419_094714_000011652067_00466_32083_7991.N1	19APR2008 09:47:14	19APR2008 10:06:39	0	0	0	0	0
8	SCI_NL__OPNPDK20080419_100639_000059672067_00466_32083_7992.N1	19APR2008 10:06:39	19APR2008 11:46:06	0	0	0	0	0
9	SCI_NL__OPNPDK20080419_114510_000059672067_00467_32084_7993.N1	19APR2008 11:45:10	19APR2008 13:24:37	0	0	0	0	0
10	SCI_NL__OPNPDK20080419_132437_000059802067_00468_32085_7994.N1	19APR2008 13:24:37	19APR2008 15:04:17	0	0	0	0	0
11	SCI_NL__OPNPDK20080419_150321_000057742067_00469_32086_7995.N1	19APR2008 15:03:21	19APR2008 16:39:35	0	0	0	0	0
12	SCI_NL__OPNPDK20080419_163730_000060542067_00470_32087_7996.N1	19APR2008 16:37:30	19APR2008 18:18:24	0	0	0	0	0
13	SCI_NL__OPNPDK20080419_181633_000060912067_00471_32088_7997.N1	19APR2008 18:16:33	19APR2008 19:58:04	0	0	0	0	0
14	SCI_NL__OPNPDE20080419_195612_000040502067_00472_32089_6522.N1	19APR2008 19:56:12	19APR2008 21:03:42	0	0	0	0	0
15	SCI_NL__OPNPDE20080419_210342_000064632067_00472_32089_6523.N1	19APR2008 21:03:42	19APR2008 22:51:25	0	0	0	0	0
16	SCI_NL__OPNPDE20080419_224918_000061632067_00473_32090_6524.N1	19APR2008 22:49:18	20APR2008 00:32:01	0	0	0	0	0

0.2 Product Quality Indicators

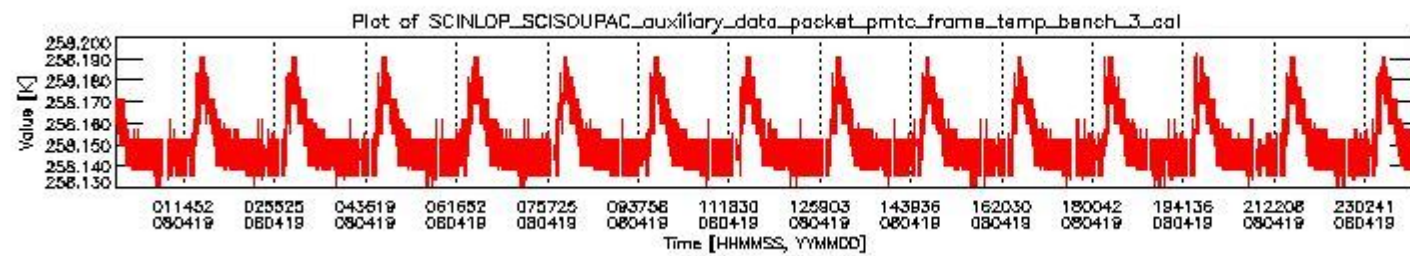
This section shows information about product quality, currently temperatures.



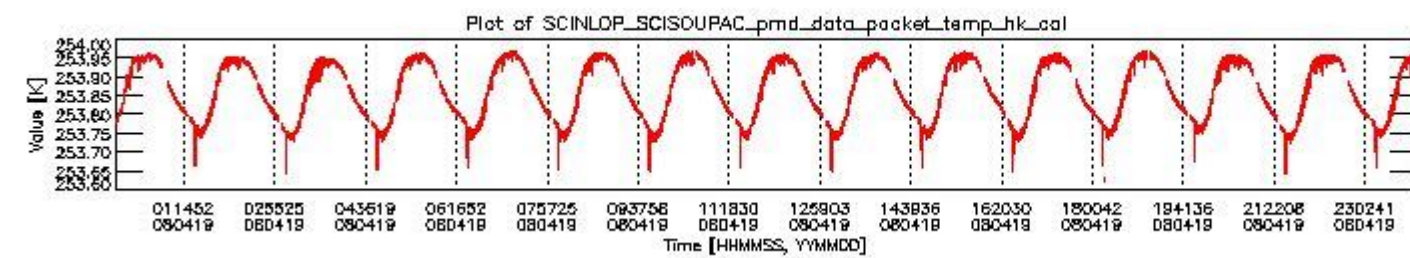
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080419_0.PNG



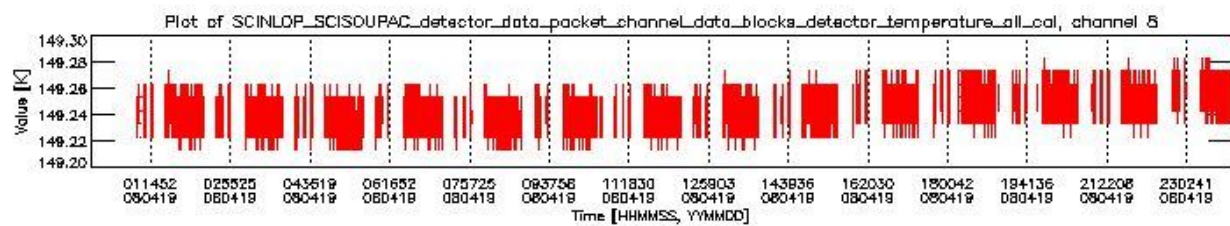
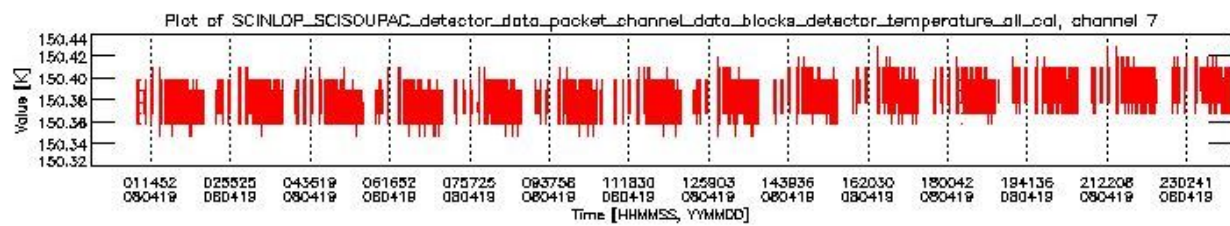
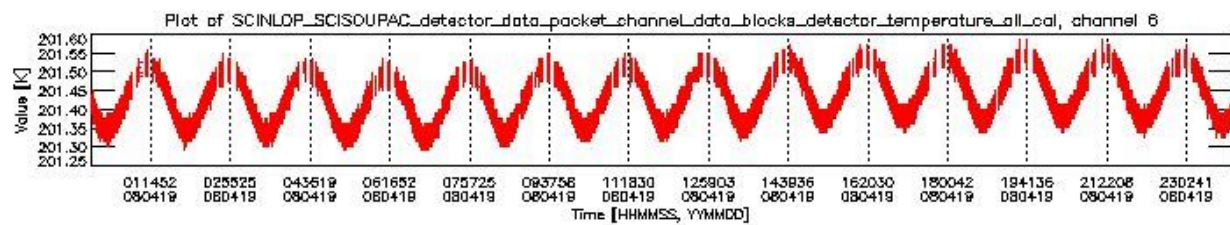
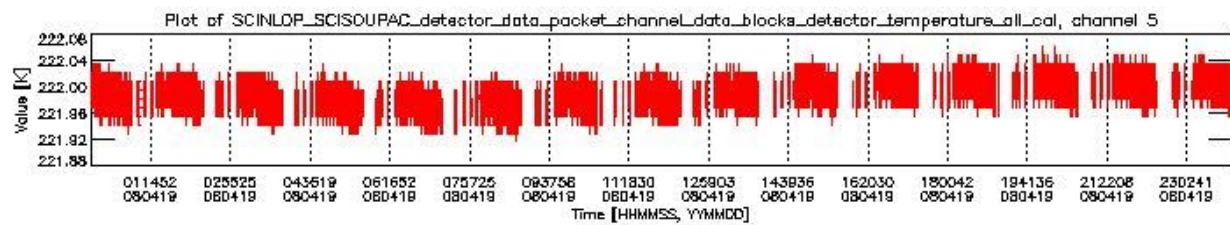
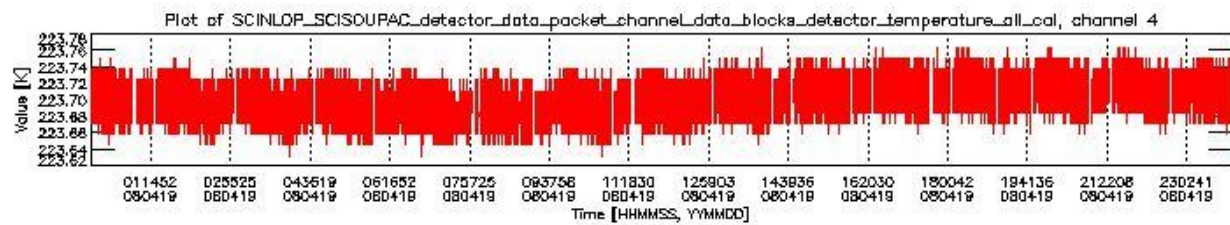
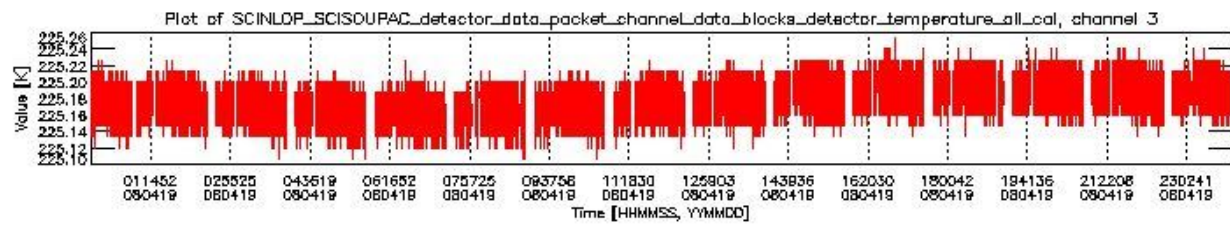
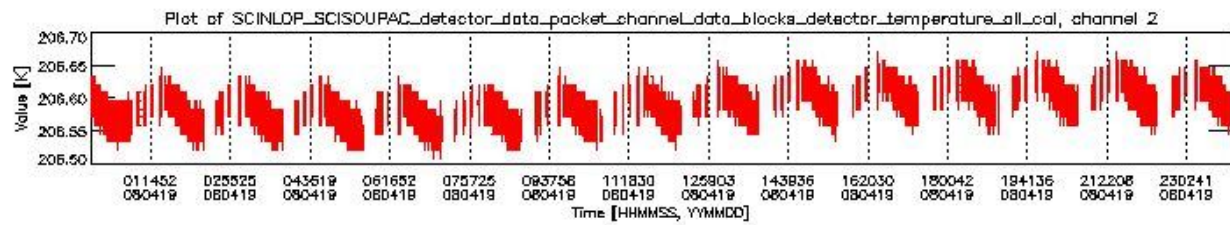
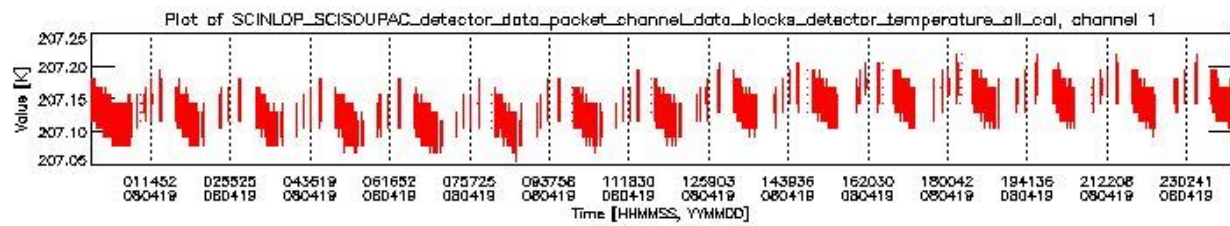
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080419_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080419_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080419_3.PNG

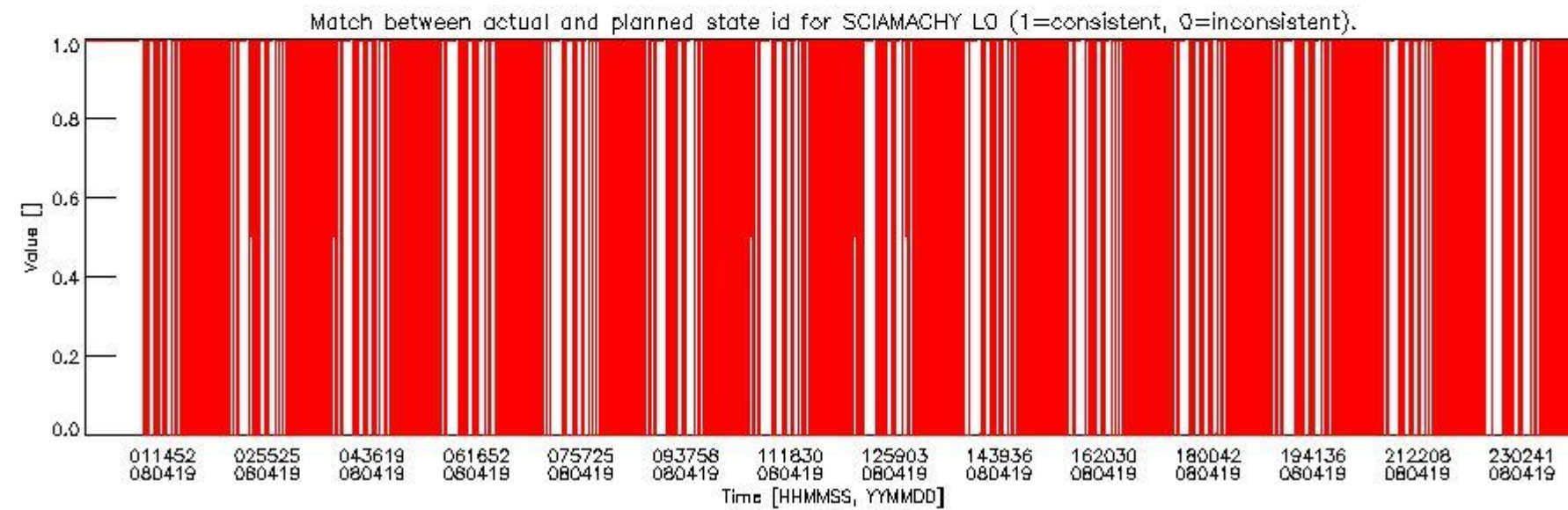
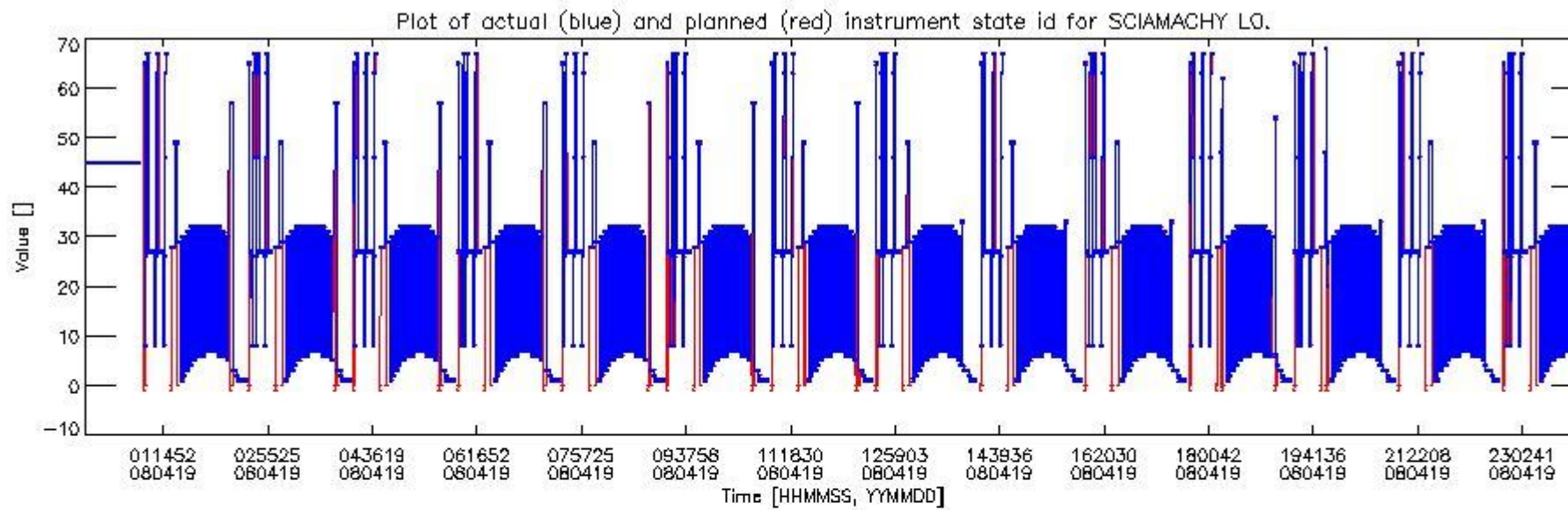


0.3 State monitoring

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: **40981**

#	Actual time	Actual value	Planned time	Planned value
0	19APR2008 00:56:37.139248	65	19APR2008 00:56:37.139248	0
1	19APR2008 00:56:37.764230	65	19APR2008 00:56:37.764230	0
2	19APR2008 00:56:38.264247	65	19APR2008 00:56:38.264247	0
3	19APR2008 00:56:38.764224	65	19APR2008 00:56:38.764224	0
4	19APR2008 00:56:39.264242	65	19APR2008 00:56:39.264242	0
5	19APR2008 00:56:39.764259	65	19APR2008 00:56:39.764259	0
6	19APR2008 00:56:40.264236	65	19APR2008 00:56:40.264236	0
7	19APR2008 00:56:40.764254	65	19APR2008 00:56:40.764254	0
8	19APR2008 00:56:41.264231	65	19APR2008 00:56:41.264231	0
9	19APR2008 00:56:41.764248	65	19APR2008 00:56:41.764248	0
10	19APR2008 00:56:42.139261	65	19APR2008 00:56:42.139261	0
11	19APR2008 00:56:42.264225	65	19APR2008 00:56:42.264225	0
12	19APR2008 00:56:42.764243	65	19APR2008 00:56:42.764243	0
13	19APR2008 00:56:43.264260	65	19APR2008 00:56:43.264260	0
14	19APR2008 00:56:43.764237	65	19APR2008 00:56:43.764237	0
15	19APR2008 00:56:44.264255	65	19APR2008 00:56:44.264255	0
16	19APR2008 00:57:20.900950	8	19APR2008 00:57:20.900950	0
17	19APR2008 00:57:22.025949	8	19APR2008 00:57:22.025949	0
18	19APR2008 00:57:23.025984	8	19APR2008 00:57:23.025984	0
19	19APR2008 00:57:24.025978	8	19APR2008 00:57:24.025978	0
...

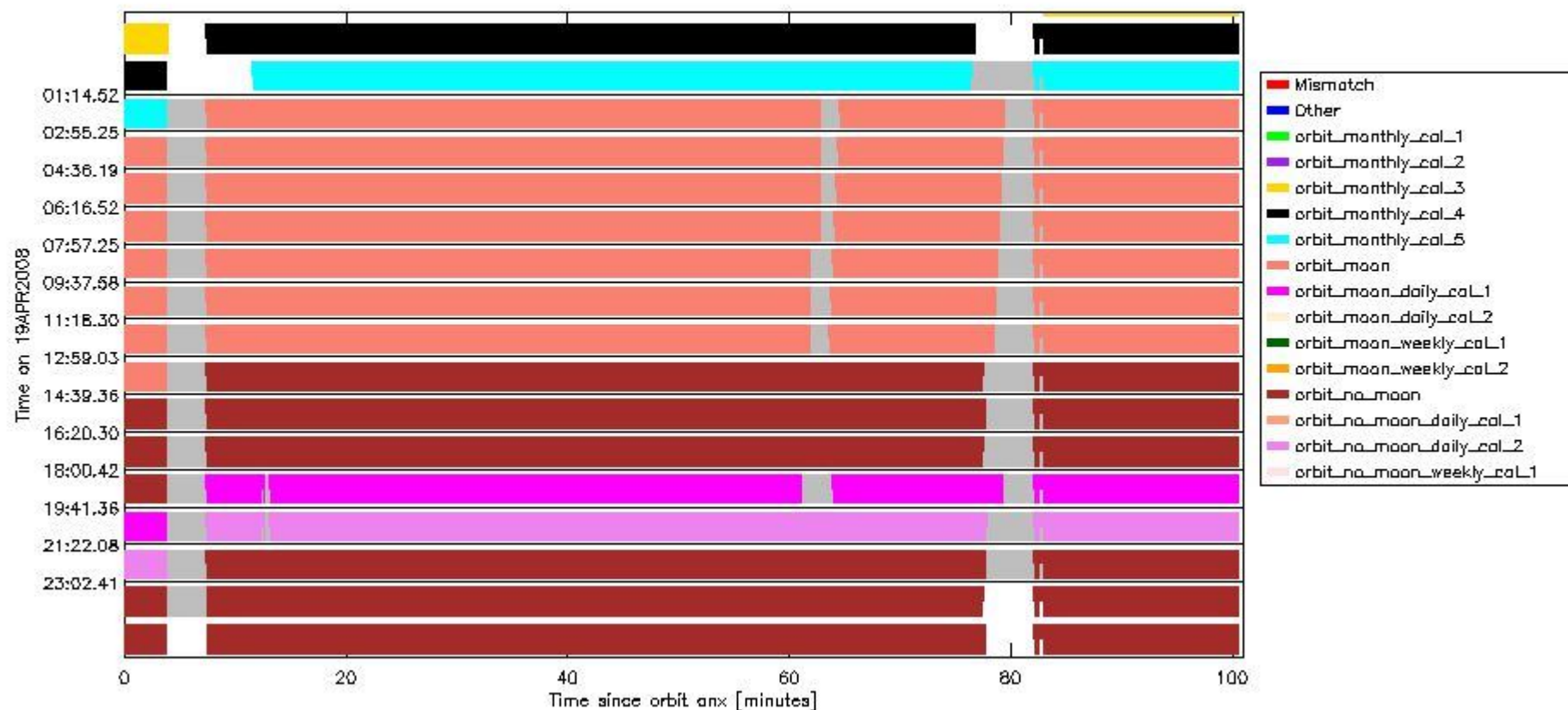


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080419_5.PNG

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 19APR2008.
 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_20080419_6.PNG

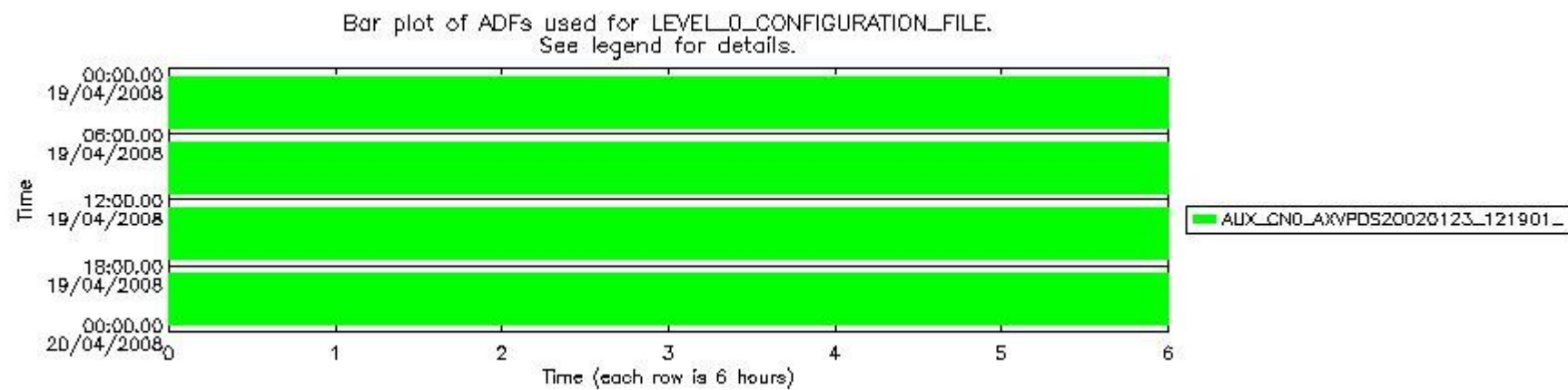
0.4 ADF monitoring

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

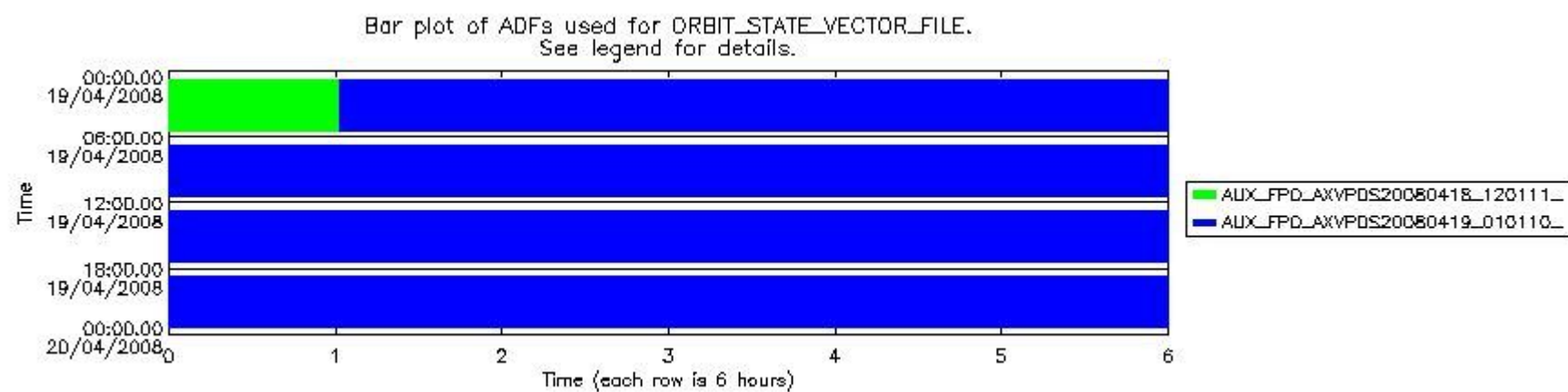
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

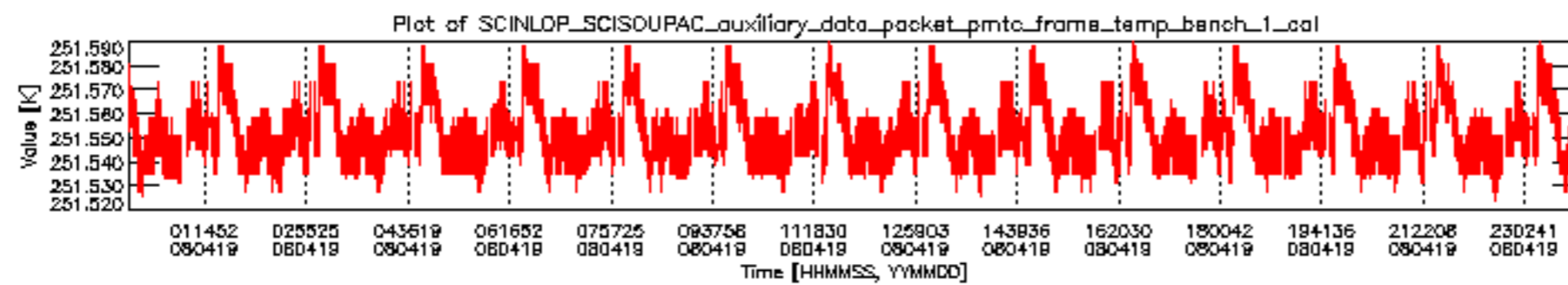
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080418_120111_20080417_190409_20080427_203021
2	AUX_FPO_AXVPDS20080419_010110_20080418_183232_20080428_213920

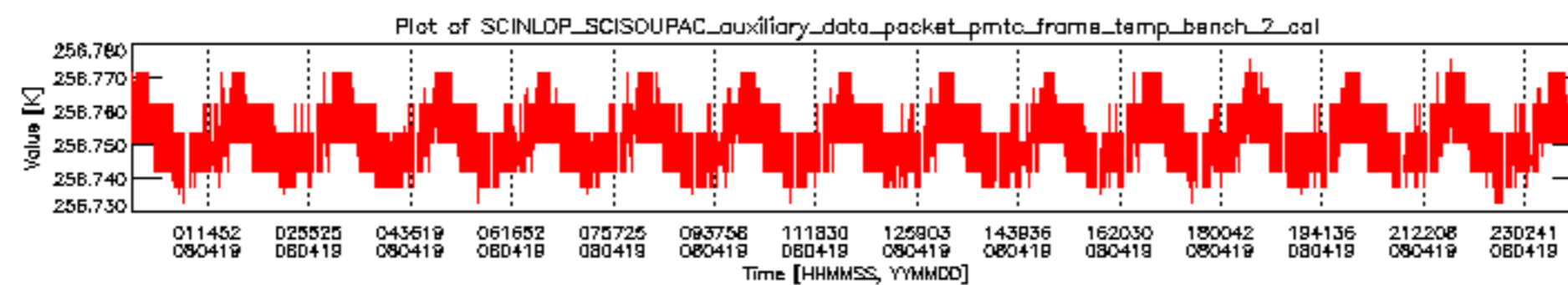


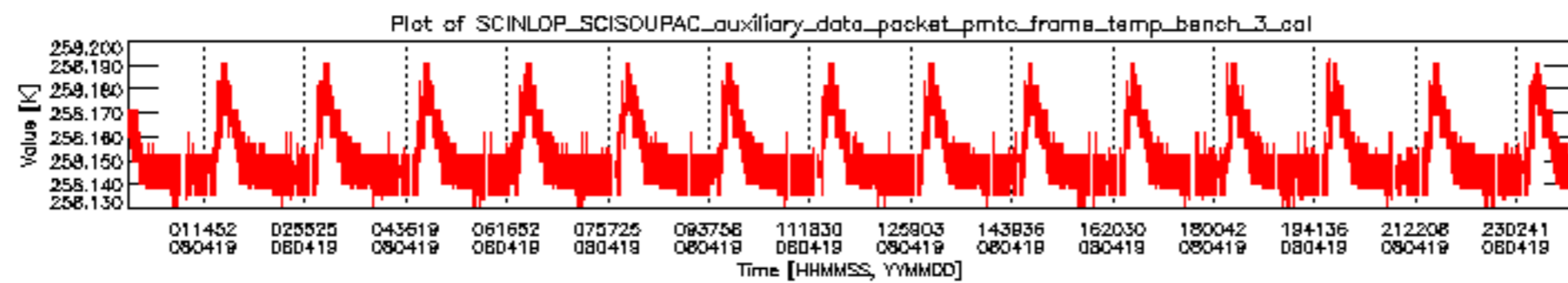
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080419_7.PNG

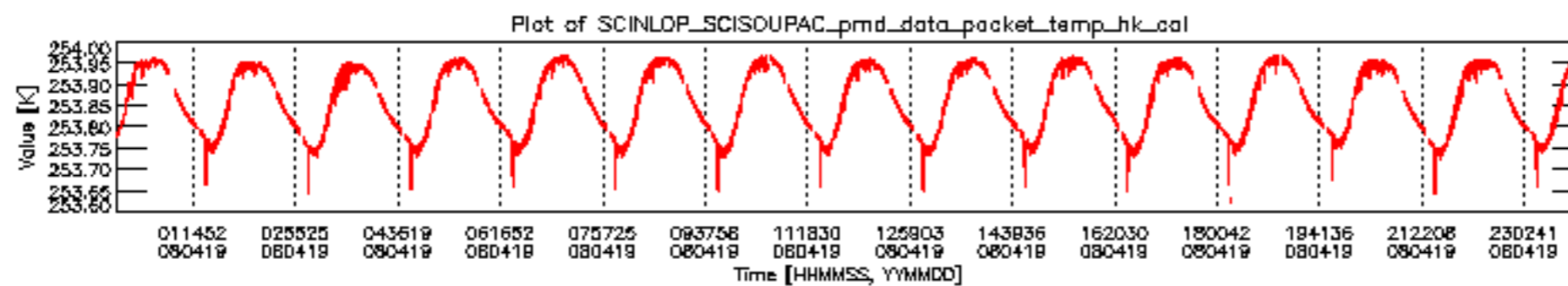


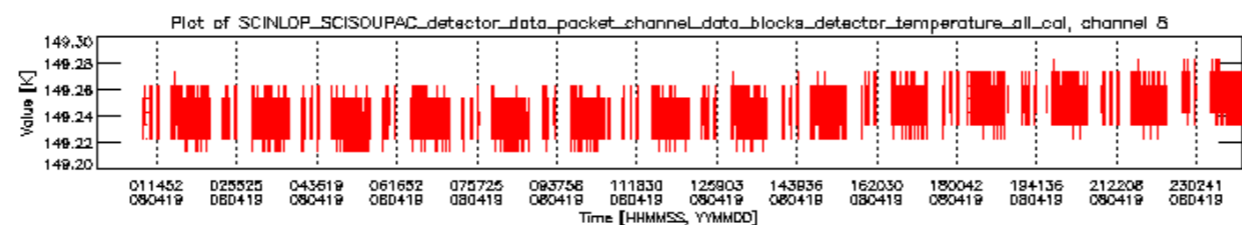
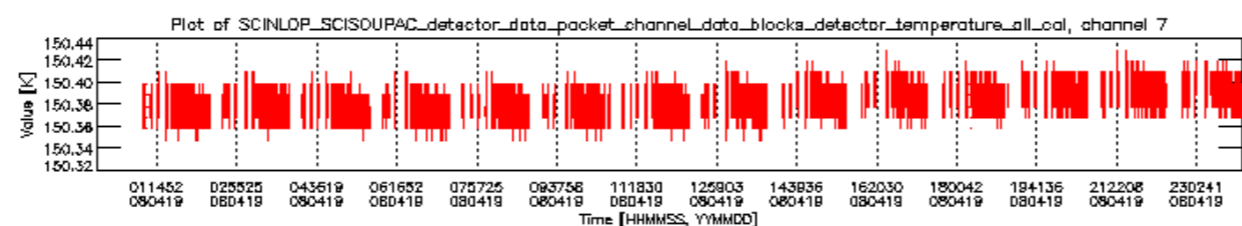
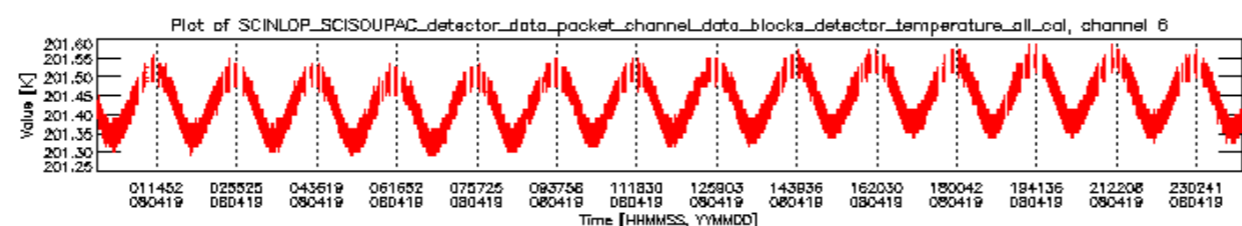
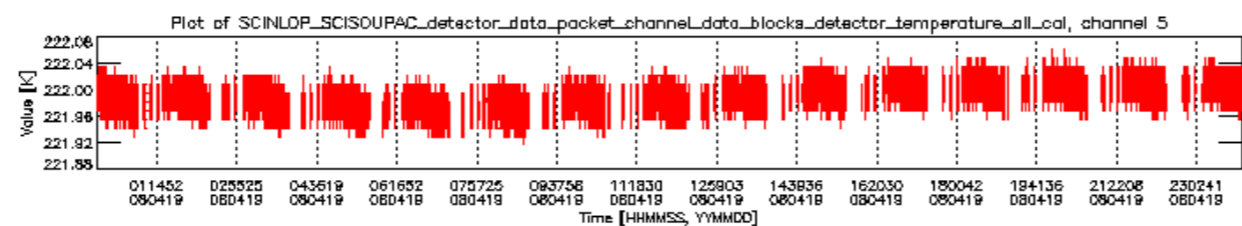
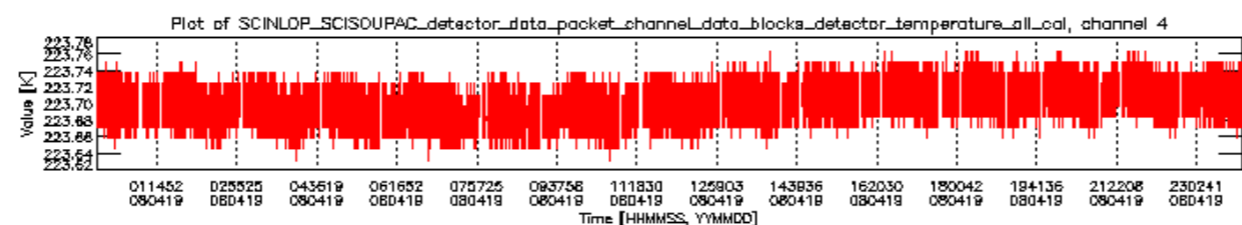
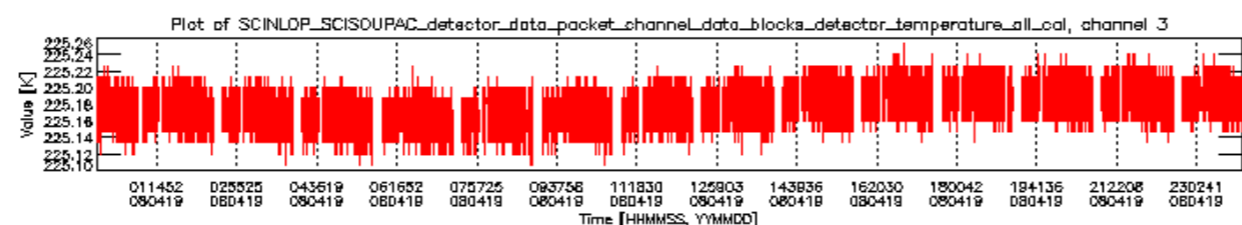
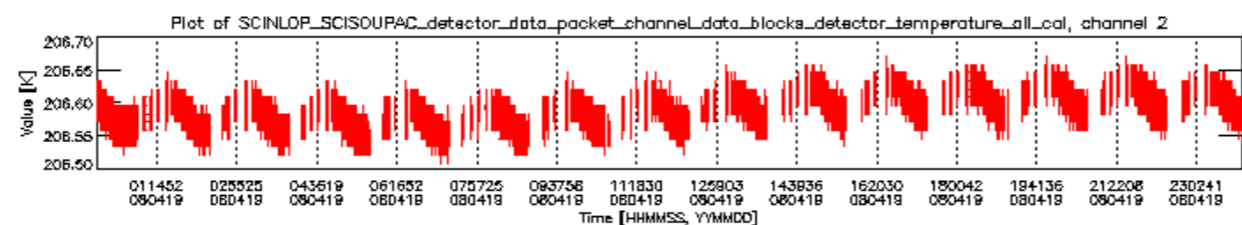
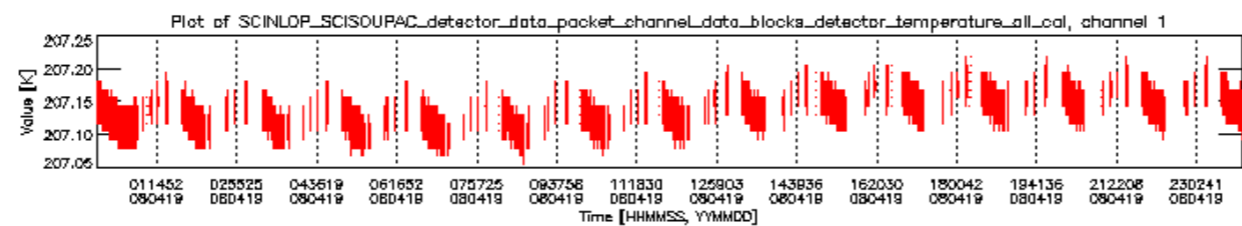
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080419_8.PNG

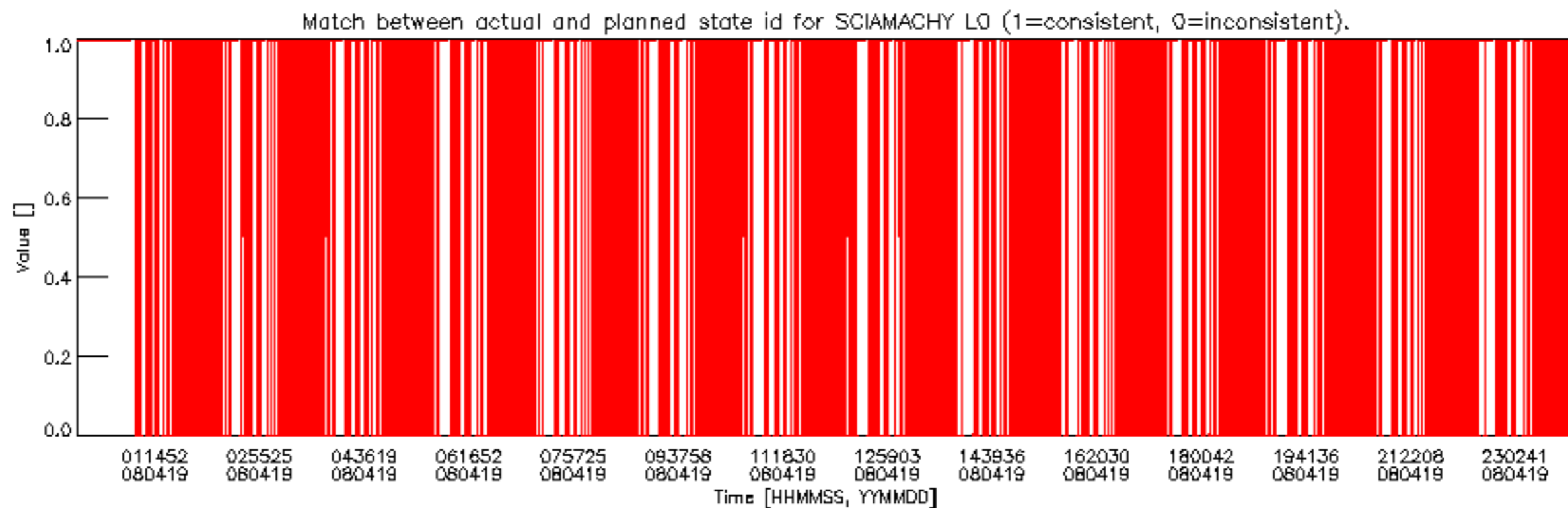
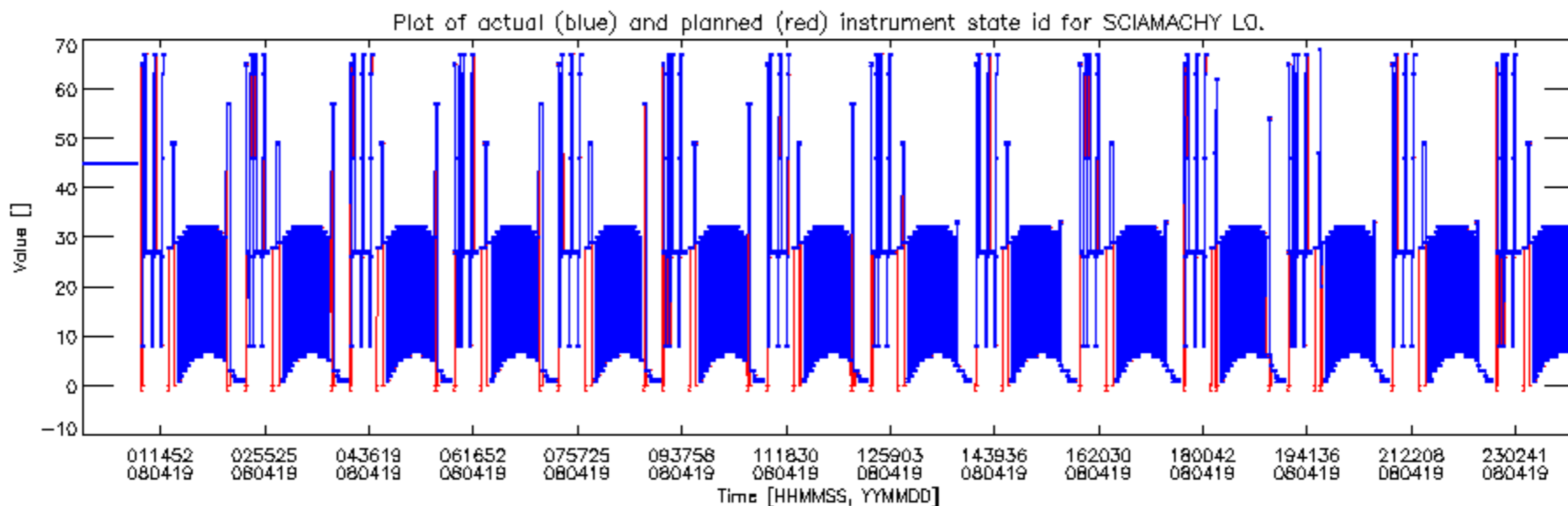




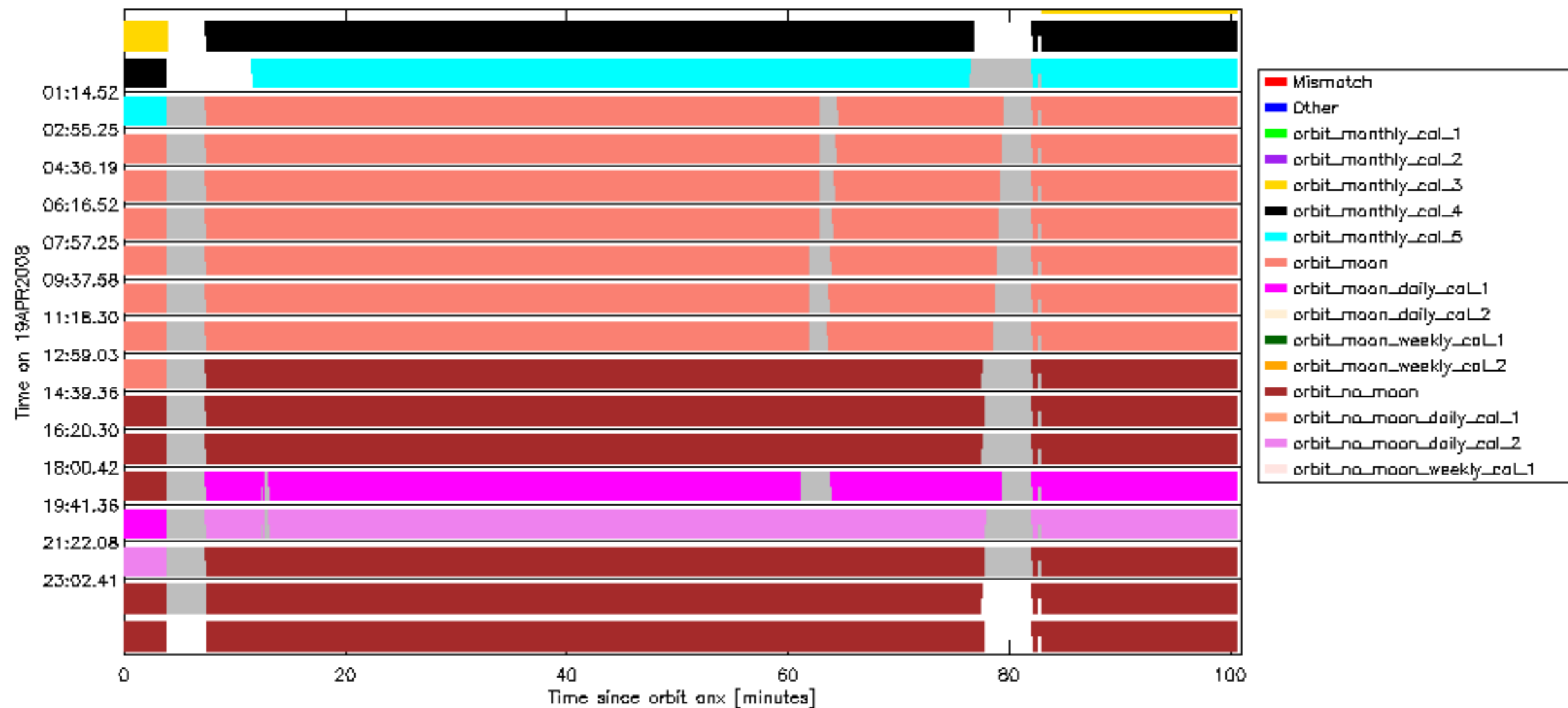


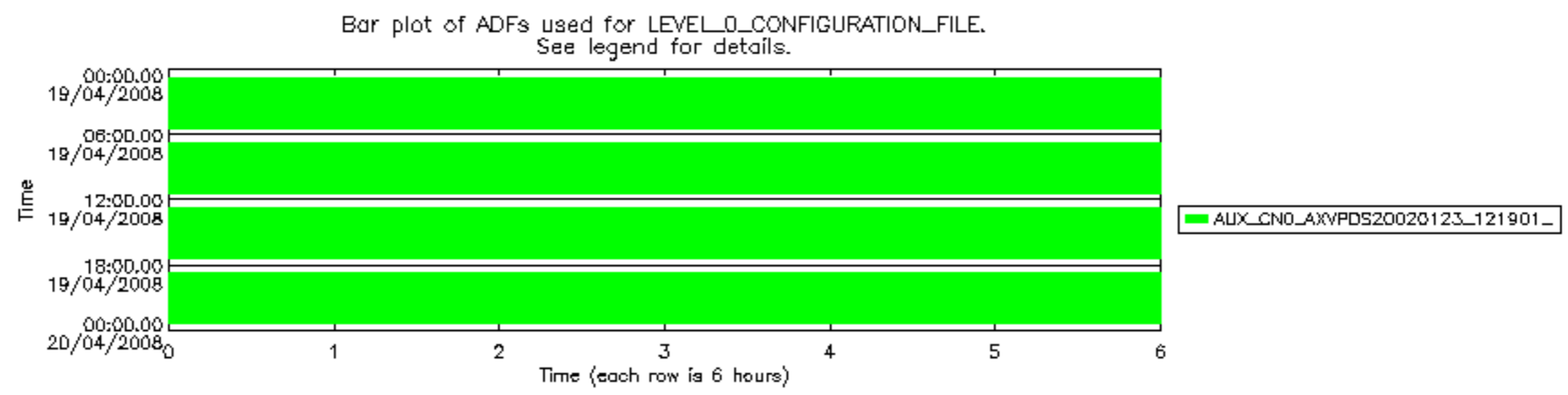






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 19APR2008.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.





Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

