

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	17APR2008 04:30:54
Data source version	KSPT_L0/4303-N
Processing scope for products	13APR2008 00:00:00 to 14APR2008 00:00:00
Start time of first product within scope	12APR2008 23:10:10
Stop time of last product within scope	14APR2008 00:19:06
Total number of level 0 products	17
Number of level 0 products with errors	0

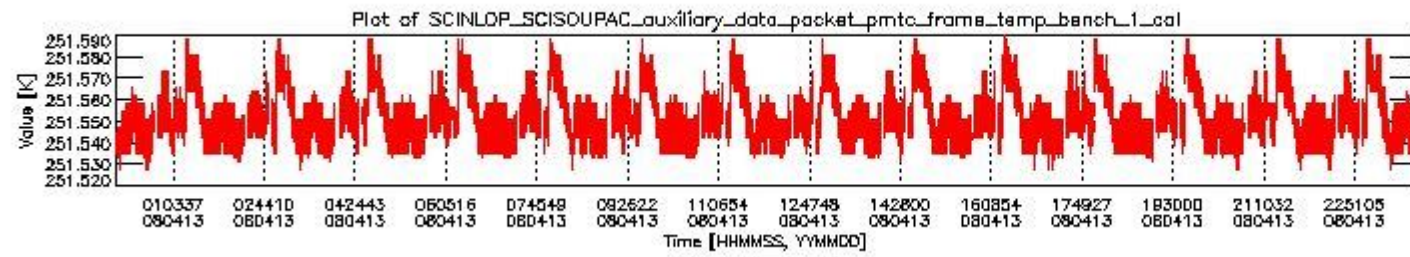
0.1.2 Summary per product

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

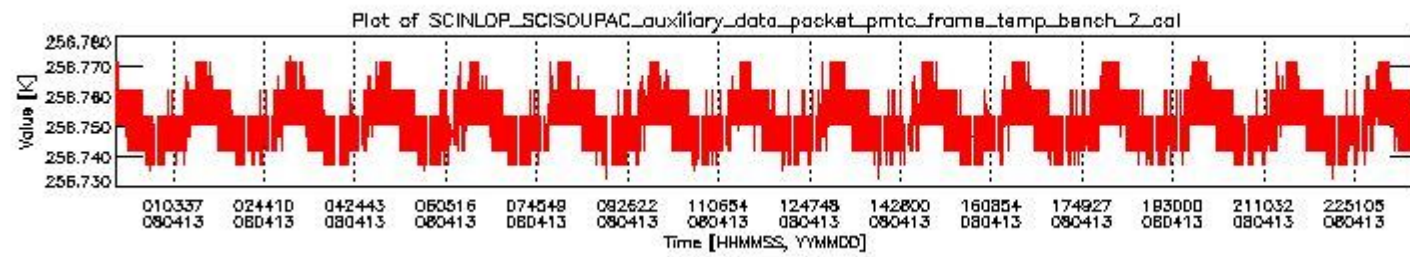
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080412_231010_000061232067_00373_31990_6310.N1	12APR2008 23:10:10	13APR2008 00:52:14	0	0	0	0	0
1	SCI_NL__OPNPDE20080413_005050_000046862067_00374_31991_6311.N1	13APR2008 00:50:50	13APR2008 02:08:56	0	0	0	0	0
2	SCI_NL__OPNPDE20080413_020800_000057872067_00375_31992_6312.N1	13APR2008 02:08:00	13APR2008 03:44:26	0	0	0	0	0
3	SCI_NL__OPNPDE20080413_034426_000060922067_00376_31993_6313.N1	13APR2008 03:44:26	13APR2008 05:25:58	0	0	0	0	0
4	SCI_NL__OPNPDE20080413_052502_000061042067_00377_31994_6314.N1	13APR2008 05:25:02	13APR2008 07:06:46	0	0	0	0	0
5	SCI_NL__OPNPDE20080413_063022_000004422067_00378_31995_6372.N1	13APR2008 06:30:22	13APR2008 06:37:44	0	0	0	0	0
6	SCI_NL__OPNPDK20080413_070538_000041012067_00378_31995_7935.N1	13APR2008 07:05:38	13APR2008 08:13:58	0	0	0	0	0
7	SCI_NL__OPNPDK20080413_081302_000061602067_00379_31996_7936.N1	13APR2008 08:13:02	13APR2008 09:55:42	0	0	0	0	0
8	SCI_NL__OPNPDK20080413_095542_000059112067_00380_31997_7937.N1	13APR2008 09:55:42	13APR2008 11:34:13	0	0	0	0	0
9	SCI_NL__OPNPDK20080413_113305_000061042067_00381_31998_7938.N1	13APR2008 11:33:05	13APR2008 13:14:49	0	0	0	0	0
10	SCI_NL__OPNPDK20080413_131340_000059112067_00382_31999_7939.N1	13APR2008 13:13:40	13APR2008 14:52:11	0	0	0	0	0
11	SCI_NL__OPNPDK20080413_145007_000059802067_00383_32000_7940.N1	13APR2008 14:50:07	13APR2008 16:29:47	0	0	0	0	0
12	SCI_NL__OPNPDK20080413_162742_000058492067_00384_32001_7941.N1	13APR2008 16:27:42	13APR2008 18:05:12	0	0	0	0	0
13	SCI_NL__OPNPDK20080413_180416_000060052067_00385_32002_7942.N1	13APR2008 18:04:16	13APR2008 19:44:21	0	0	0	0	0
14	SCI_NL__OPNPDE20080413_194340_000041992067_00386_32003_6315.N1	13APR2008 19:43:40	13APR2008 20:53:39	0	0	0	0	0
15	SCI_NL__OPNPDE20080413_205255_000064632067_00386_32003_6316.N1	13APR2008 20:52:55	13APR2008 22:40:38	0	0	0	0	0
16	SCI_NL__OPNPDE20080413_223954_000059522067_00387_32004_6317.N1	13APR2008 22:39:54	14APR2008 00:19:06	0	0	0	0	0

0.2 Product Quality Indicators

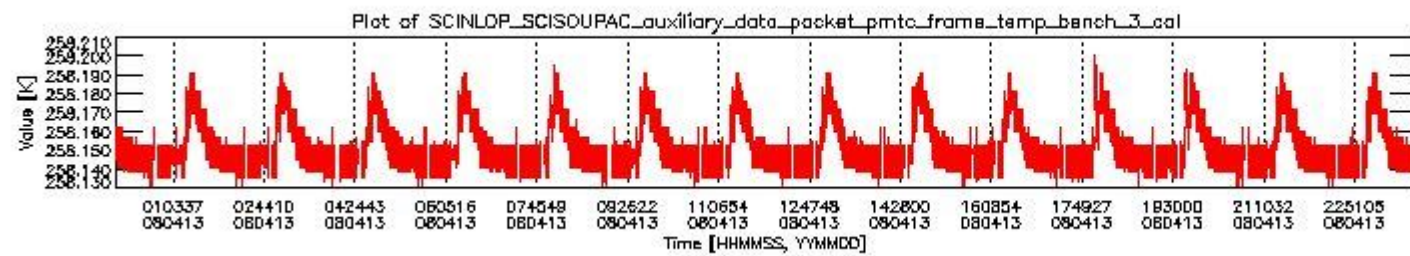
This section shows information about product quality, currently temperatures.



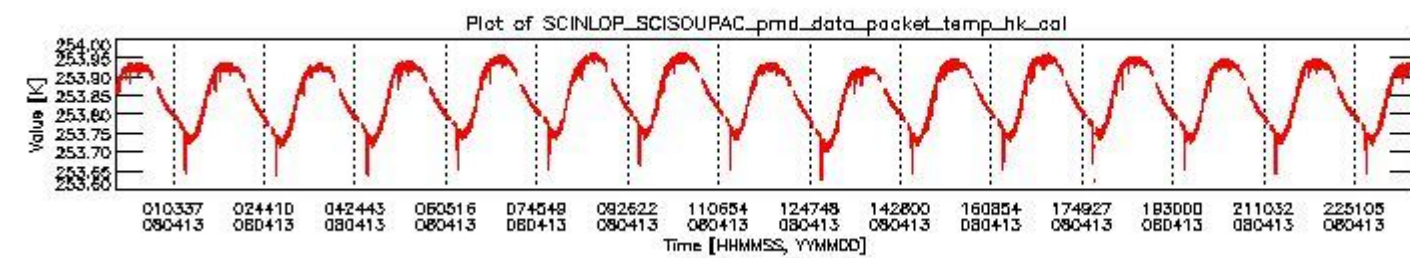
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080413_0.PNG



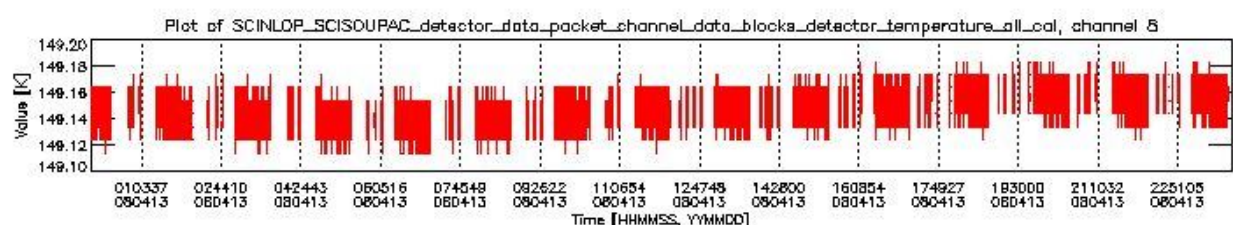
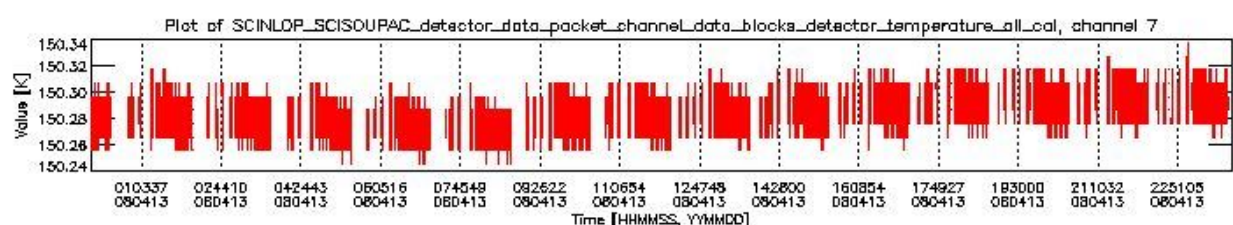
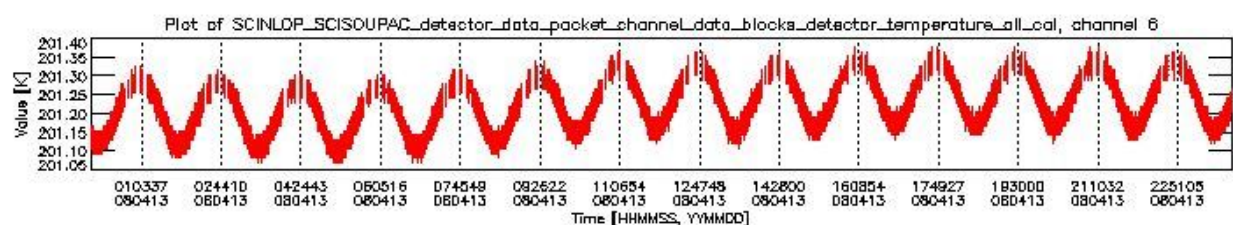
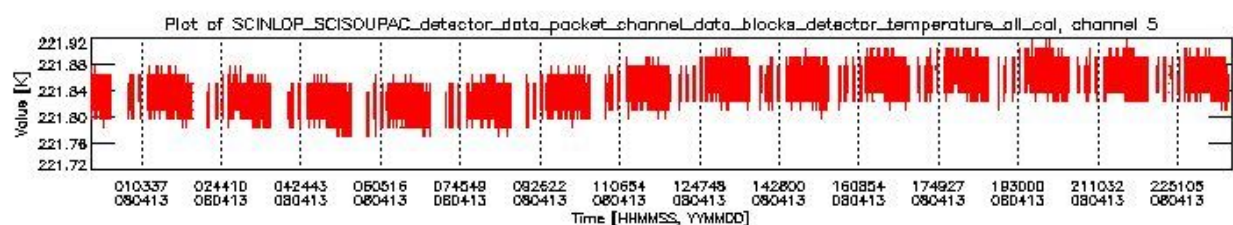
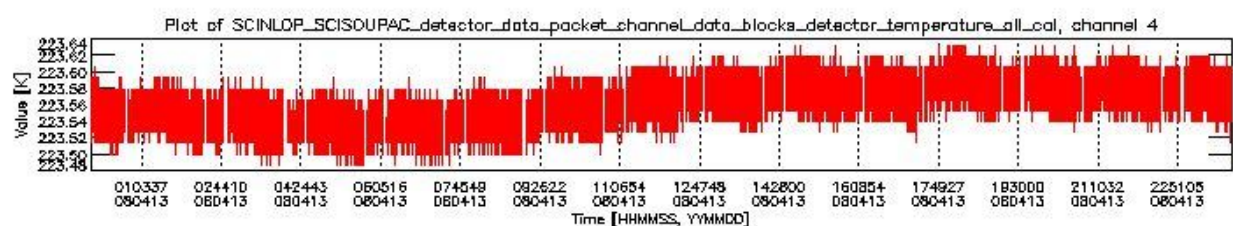
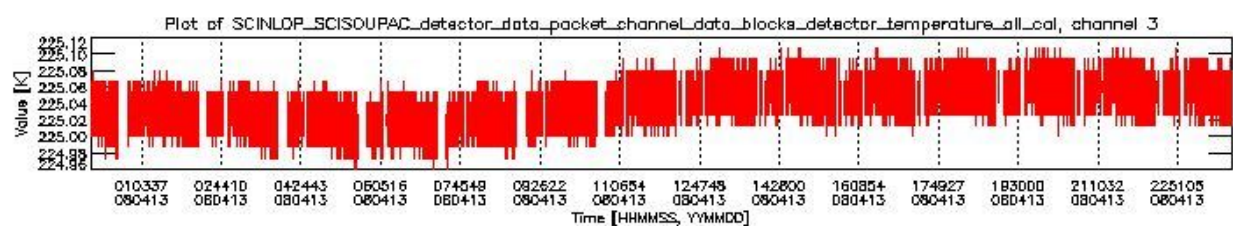
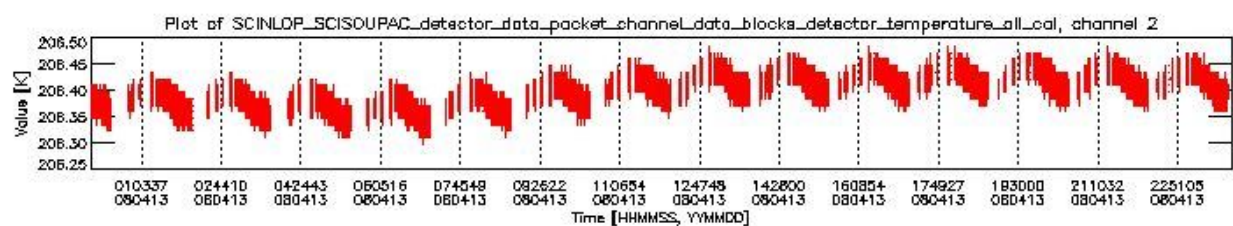
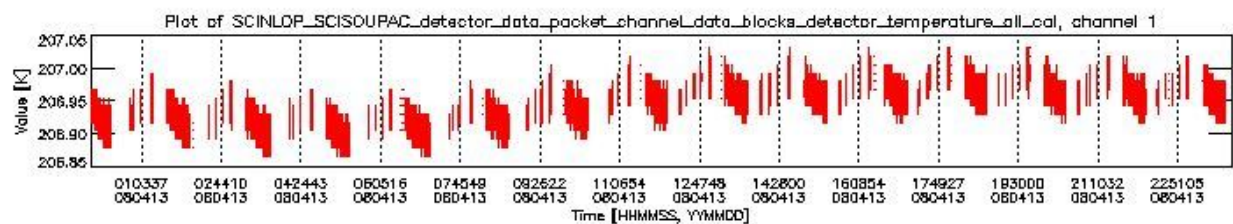
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080413_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080413_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080413_3.PNG

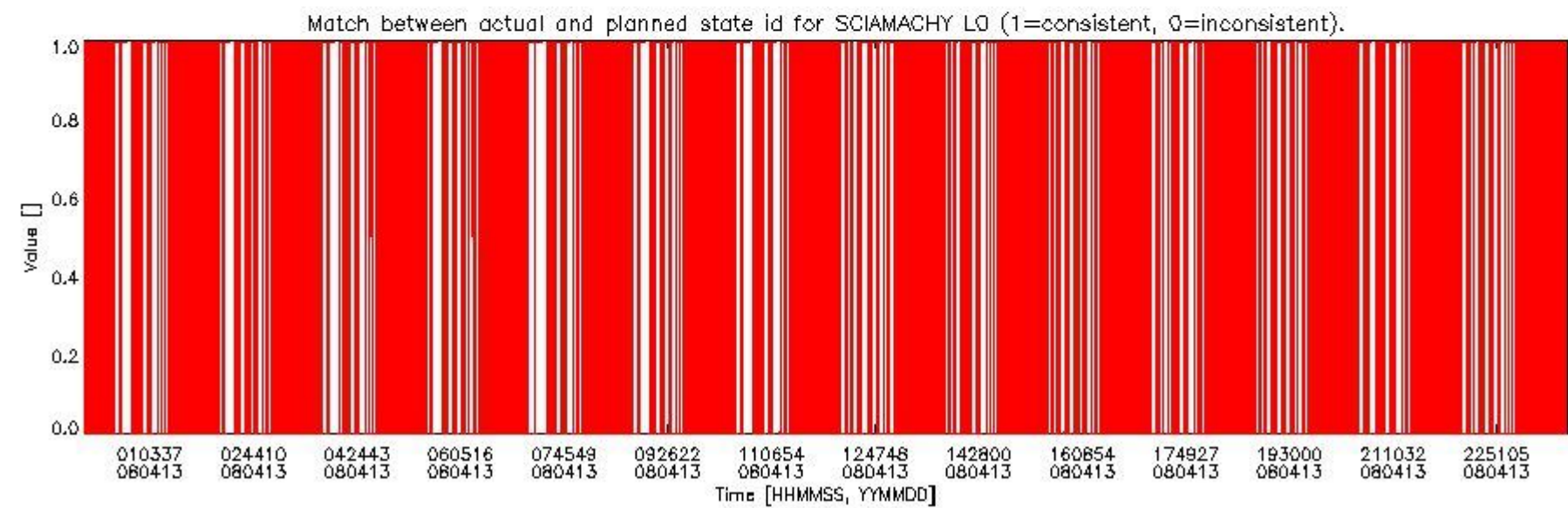
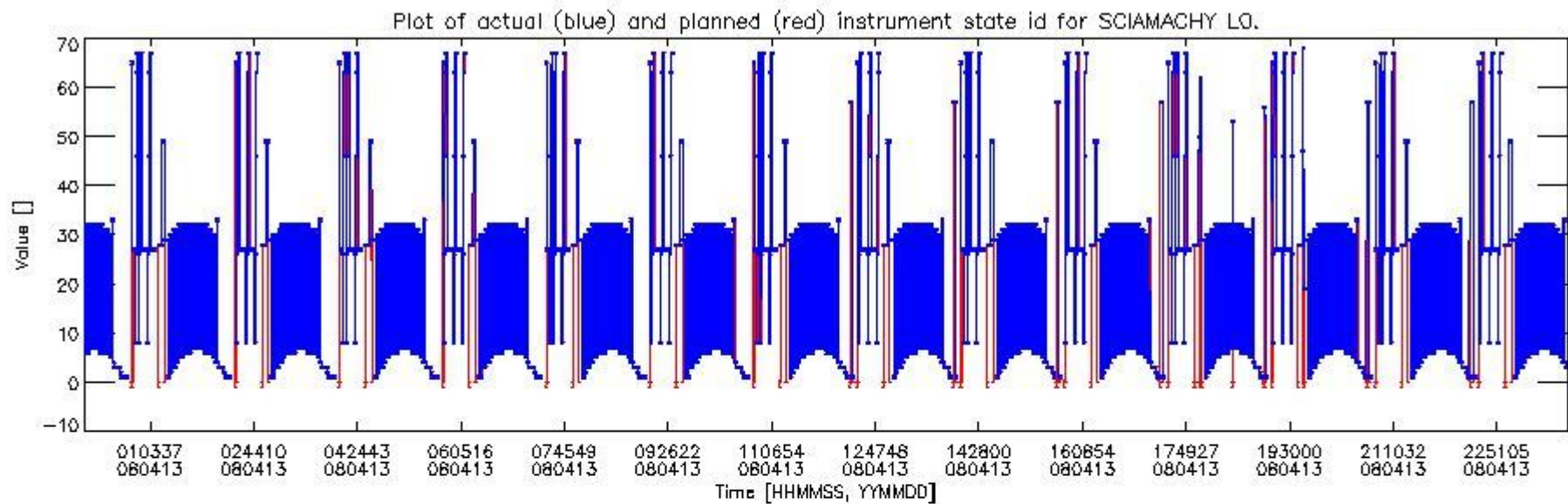


0.3 State monitoring

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: **40786**

#	Actual time	Actual value	Planned time	Planned value
0	13APR2008 00:00:27.164809	6	13APR2008 00:00:27.164809	32
1	13APR2008 00:00:27.539782	6	13APR2008 00:00:27.539782	32
2	13APR2008 00:00:27.789791	6	13APR2008 00:00:27.789791	32
3	13APR2008 00:00:28.039800	6	13APR2008 00:00:28.039800	32
4	13APR2008 00:00:28.289808	6	13APR2008 00:00:28.289808	32
5	13APR2008 00:00:28.539817	6	13APR2008 00:00:28.539817	32
6	13APR2008 00:00:28.789786	6	13APR2008 00:00:28.789786	32
7	13APR2008 00:00:29.039794	6	13APR2008 00:00:29.039794	32
8	13APR2008 00:00:29.289803	6	13APR2008 00:00:29.289803	32
9	13APR2008 00:00:29.539812	6	13APR2008 00:00:29.539812	32
10	13APR2008 00:00:29.789780	6	13APR2008 00:00:29.789780	32
11	13APR2008 00:00:30.039789	6	13APR2008 00:00:30.039789	32
12	13APR2008 00:00:30.289797	6	13APR2008 00:00:30.289797	32
13	13APR2008 00:00:30.539806	6	13APR2008 00:00:30.539806	32
14	13APR2008 00:00:30.789815	6	13APR2008 00:00:30.789815	32
15	13APR2008 00:00:31.039783	6	13APR2008 00:00:31.039783	32
16	13APR2008 00:00:31.289792	6	13APR2008 00:00:31.289792	32
17	13APR2008 00:00:31.539801	6	13APR2008 00:00:31.539801	32
18	13APR2008 00:00:31.789809	6	13APR2008 00:00:31.789809	32
19	13APR2008 00:00:32.039818	6	13APR2008 00:00:32.039818	32
...

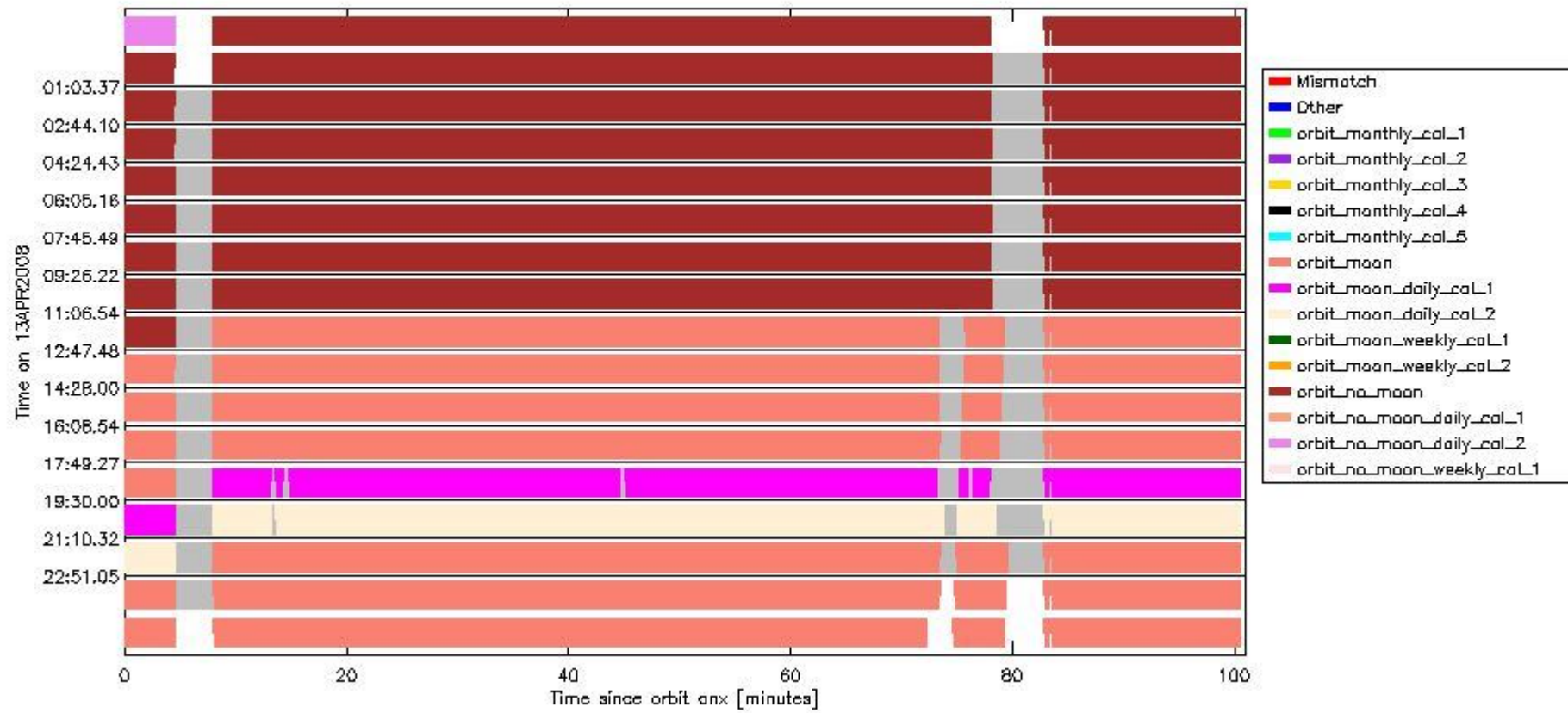


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080413_5.PNG

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 13APR2008.
 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_20080413_6.PNG

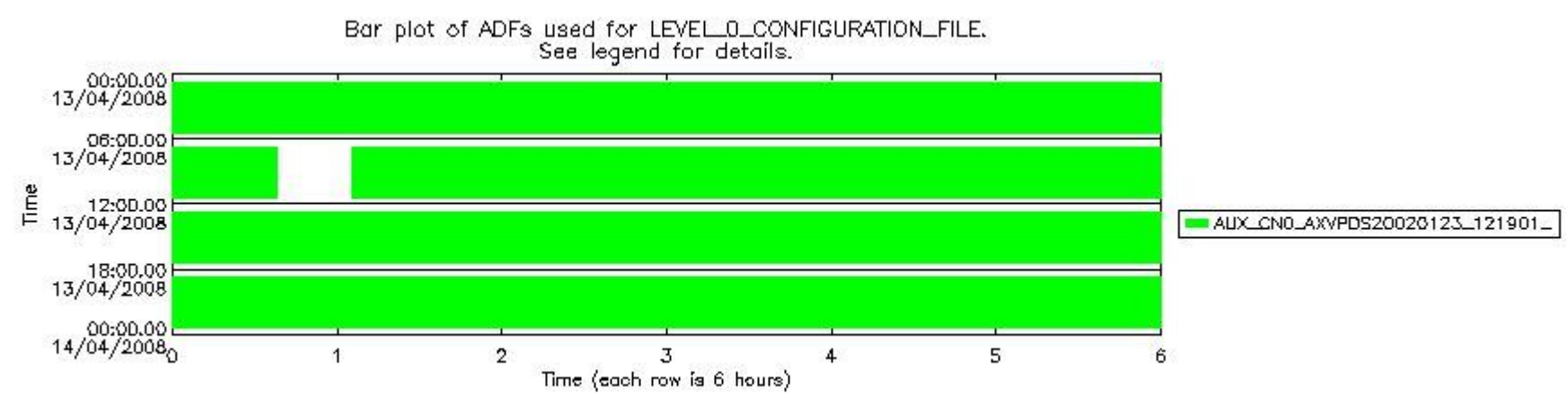
0.4 ADF monitoring

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

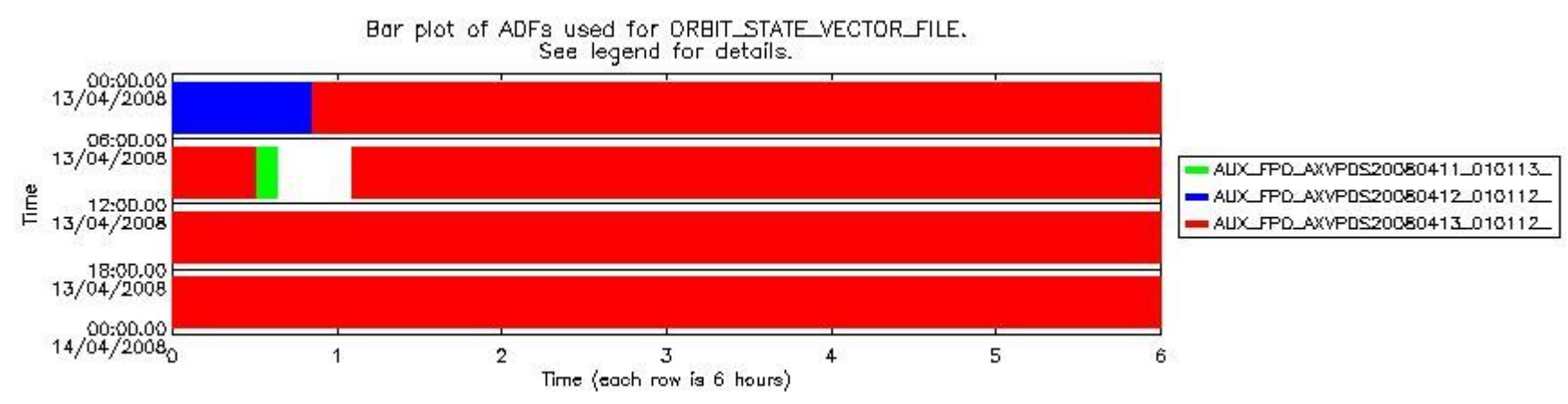
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

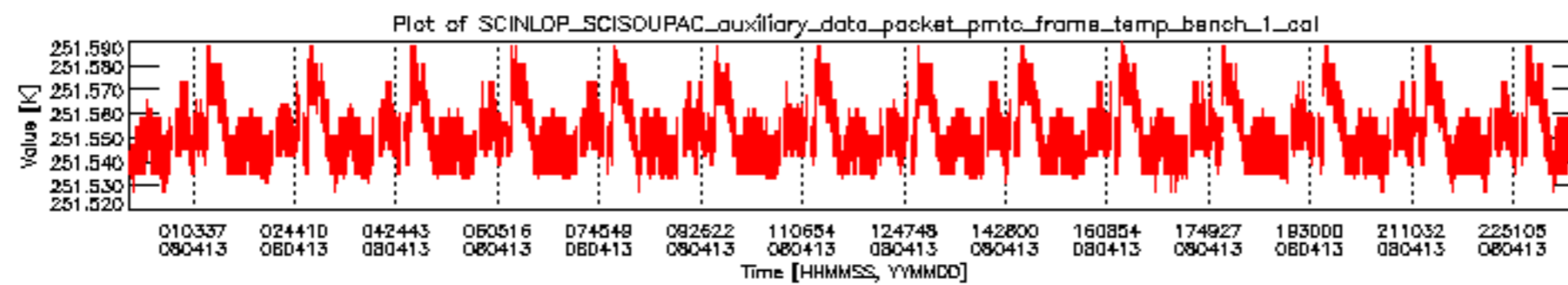
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080411_010113_20080410_192417_20080420_205029
2	AUX_FPO_AXVPDS20080412_010112_20080411_185240_20080421_201852
3	AUX_FPO_AXVPDS20080413_010112_20080412_182103_20080422_212751

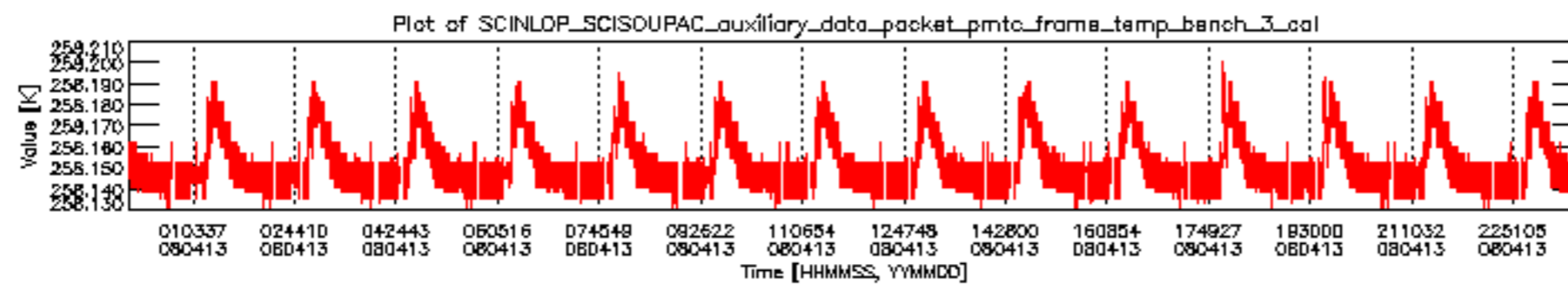


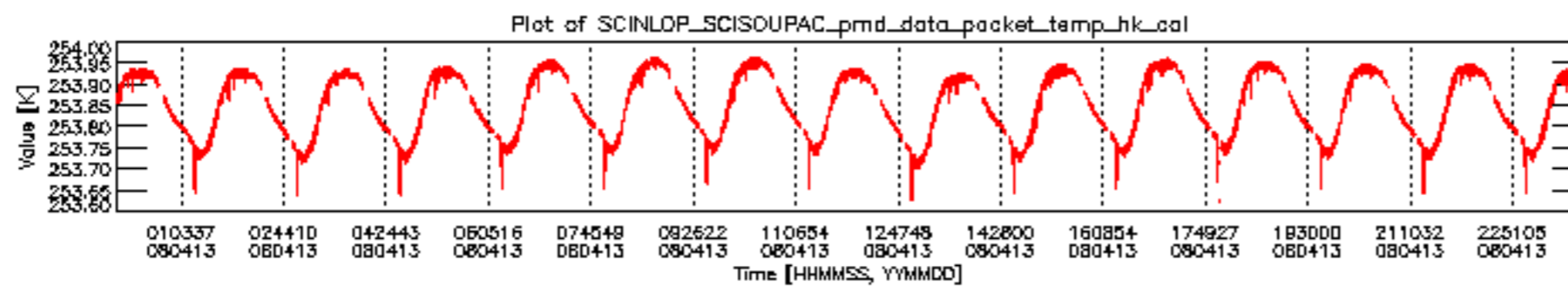
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080413_7.PNG

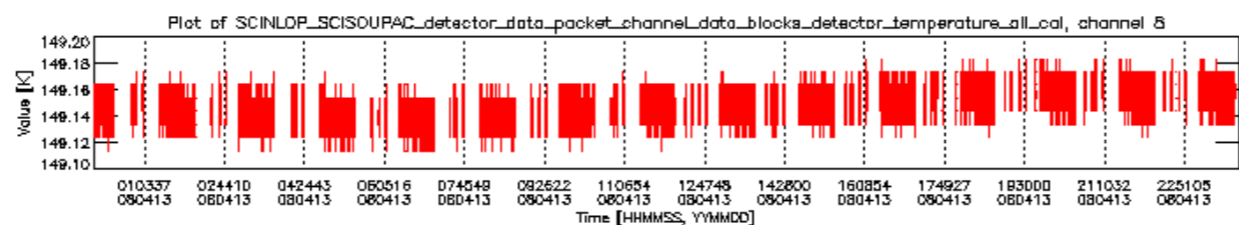
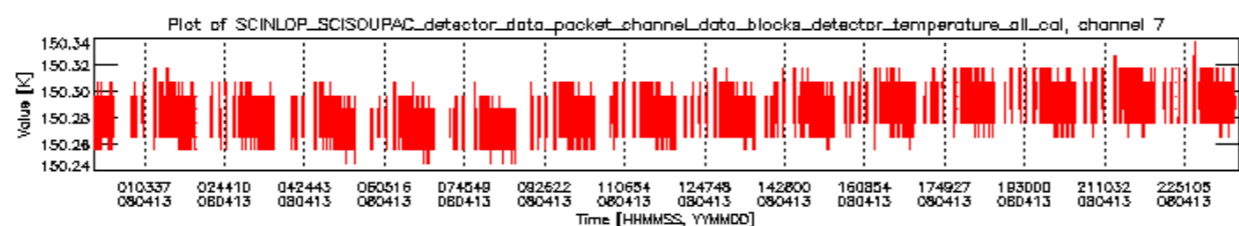
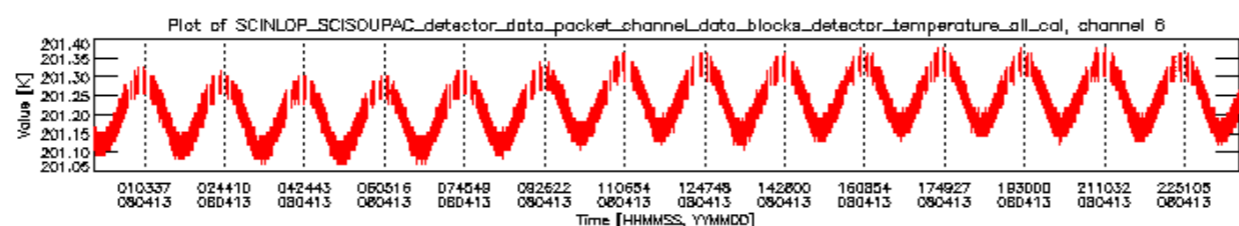
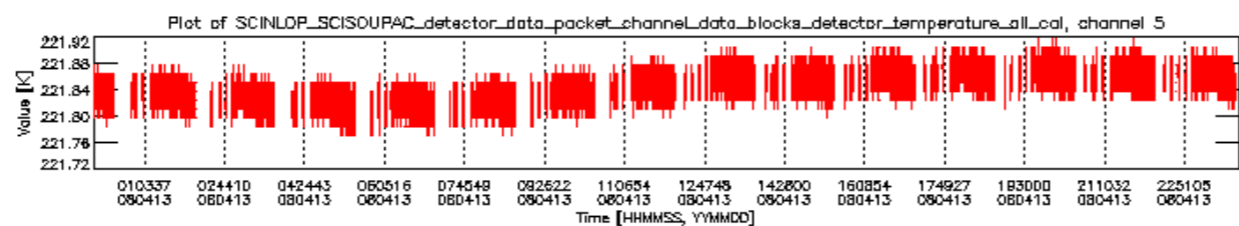
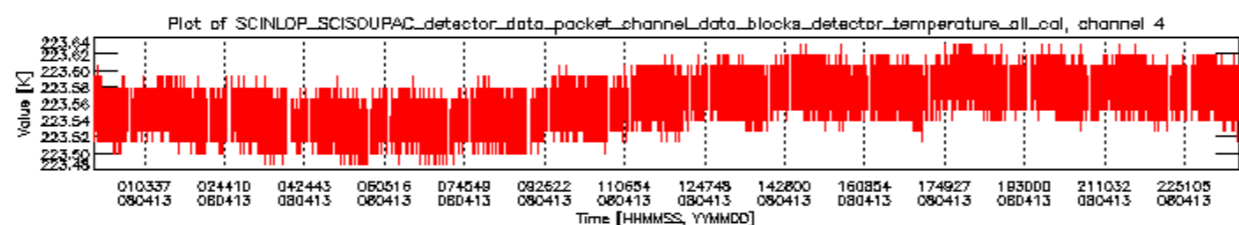
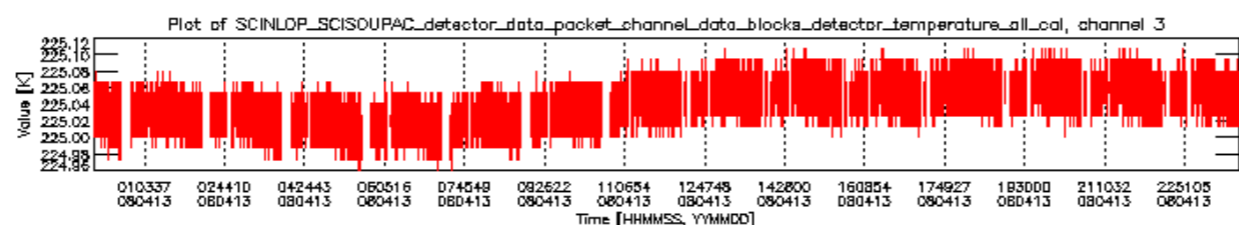
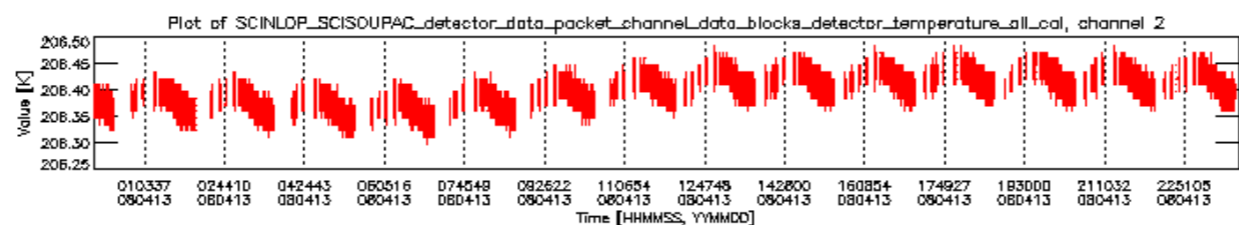
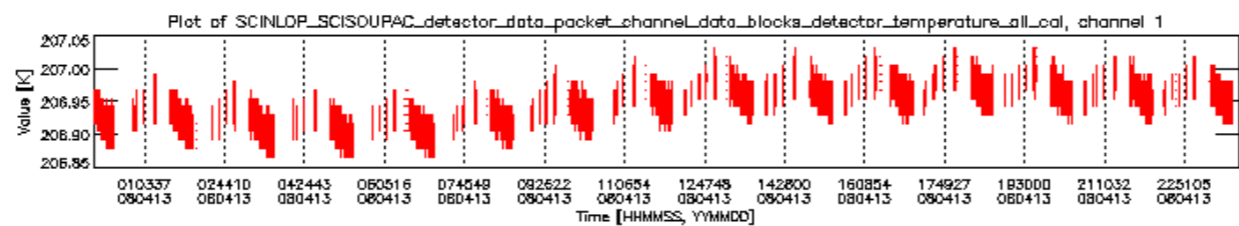


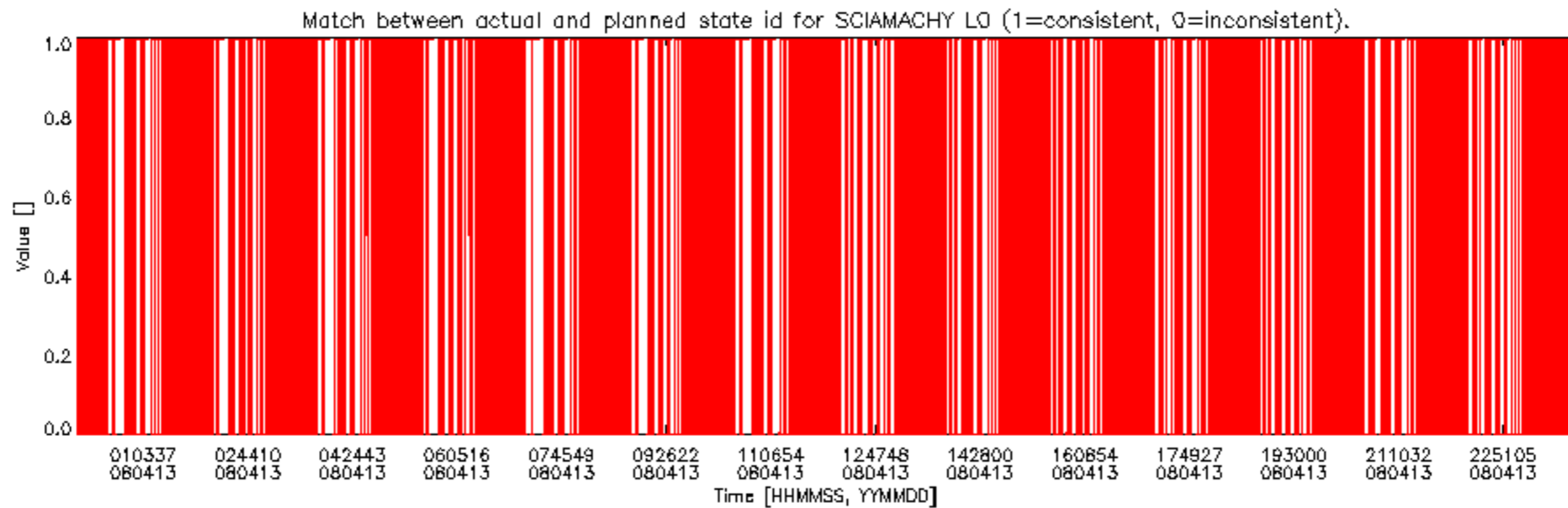
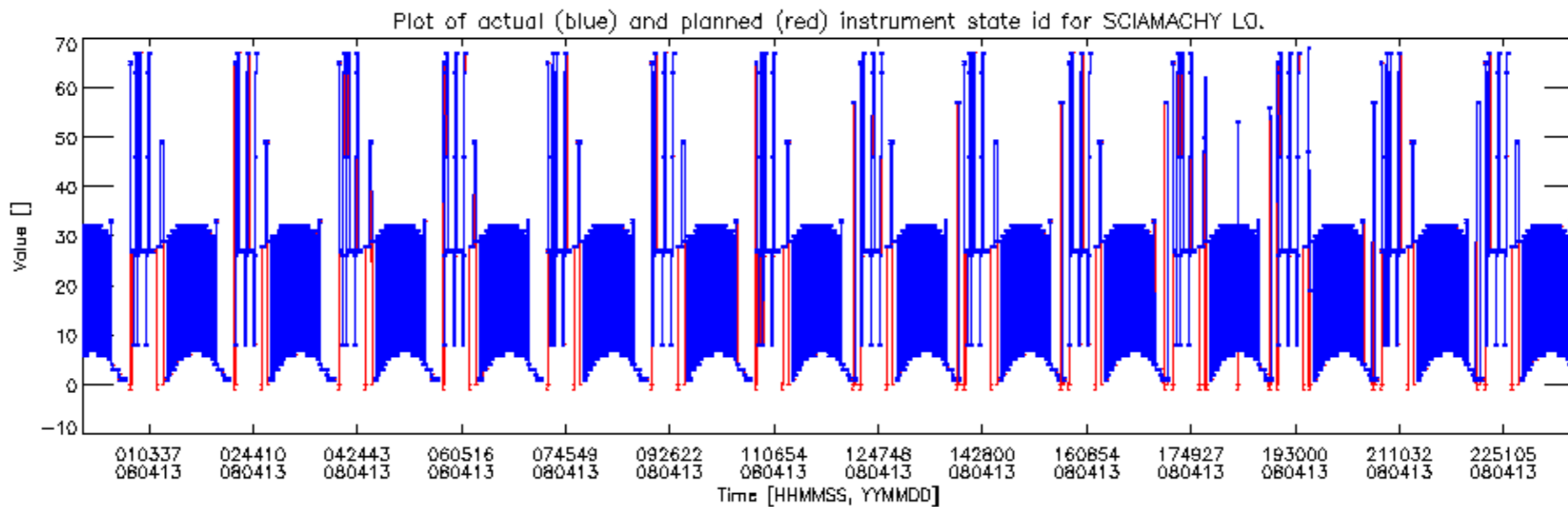
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080413_8.PNG



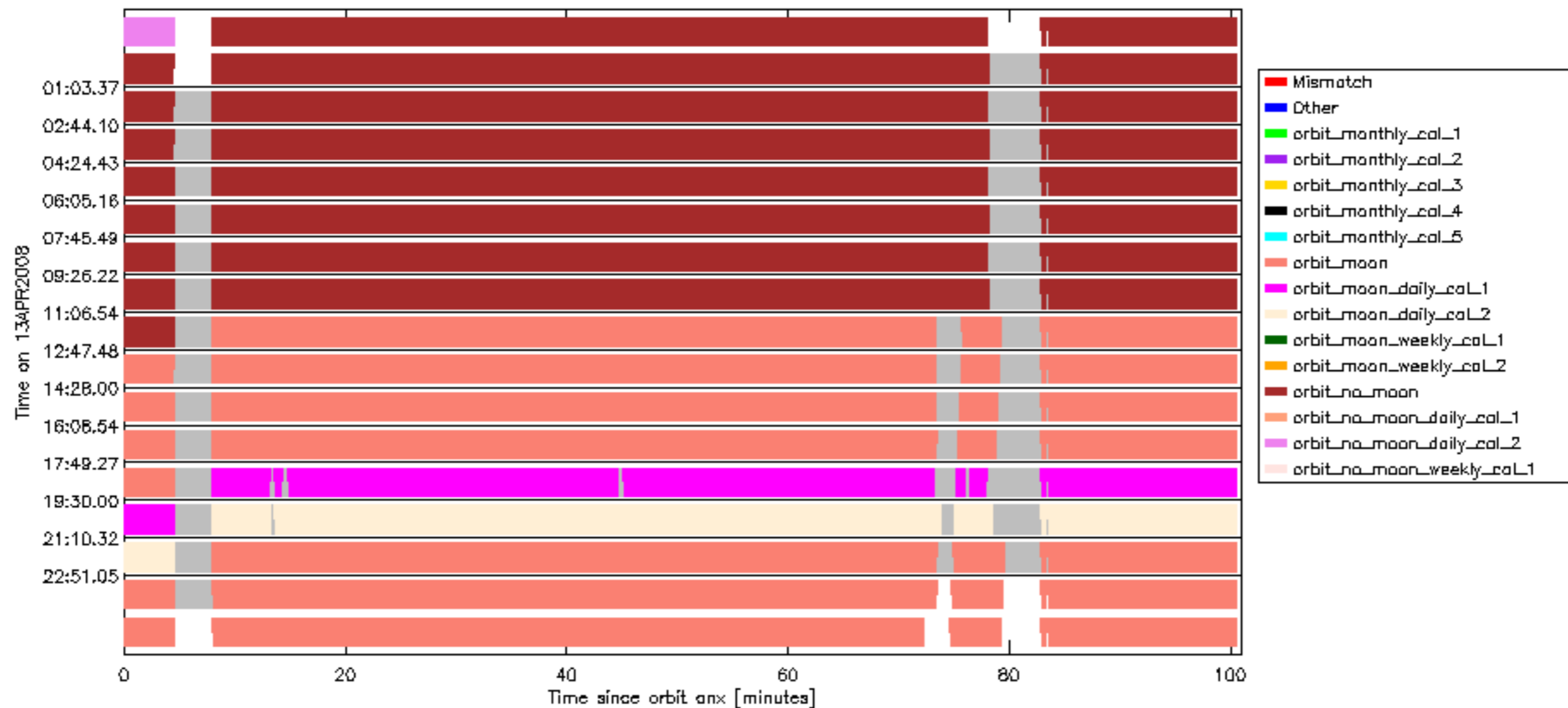


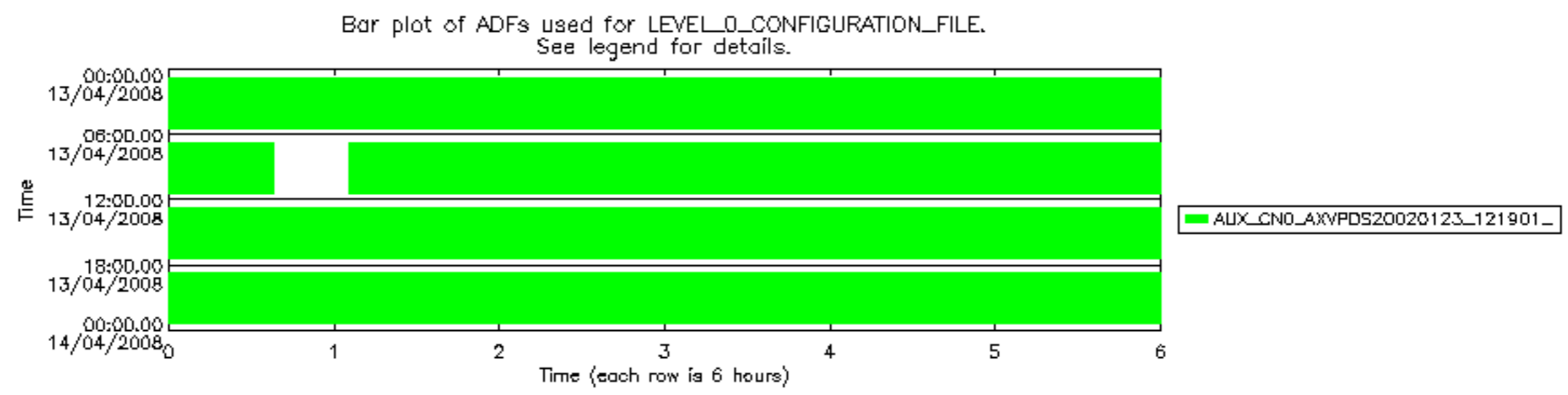






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 13APR2008.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
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Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

