

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	01SEP2008 04:44:00
Data source version	KSPT_L0/4303-N
Processing scope for products	28AUG2008 00:00:00 to 29AUG2008 00:00:00
Start time of first product within scope	27AUG2008 23:04:13
Stop time of last product within scope	29AUG2008 00:13:23
Total number of level 0 products	16
Number of level 0 products with errors	2

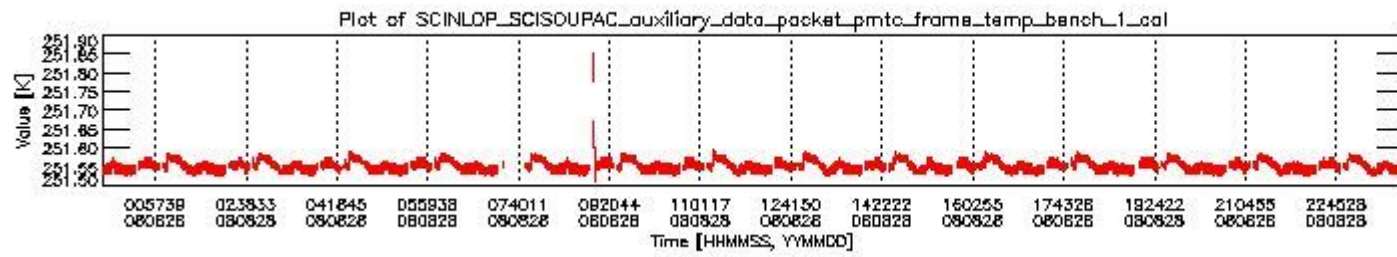
0.1.2 Summary per product

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

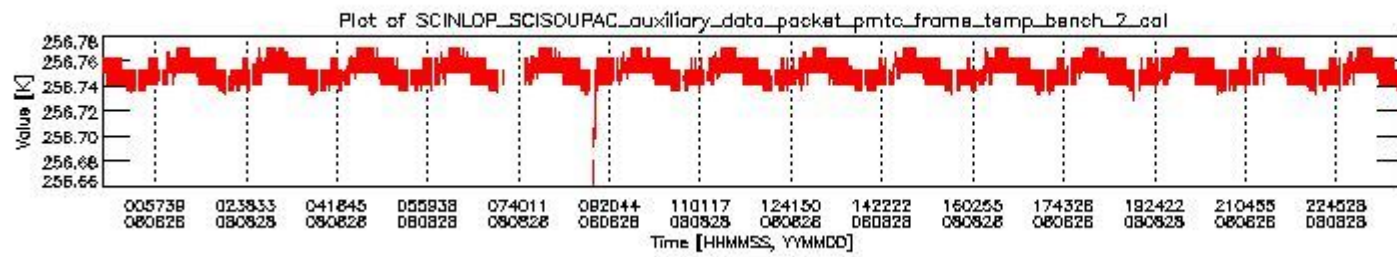
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080827_230413_000061242071_00330_33951_7395.N1	27AUG2008 23:04:13	28AUG2008 00:46:17	0	0	0	0	0
1	SCI_NL__OPNPDE20080828_004453_000059042071_00331_33952_7396.N1	28AUG2008 00:44:53	28AUG2008 02:23:18	0	0	0	0	0
2	SCI_NL__OPNPDE20080828_022244_000044912071_00332_33953_7397.N1	28AUG2008 02:22:44	28AUG2008 03:37:35	0	0	0	0	0
3	SCI_NL__OPNPDE20080828_033735_000060922071_00333_33954_7398.N1	28AUG2008 03:37:35	28AUG2008 05:19:07	0	0	0	0	0
4	SCI_NL__OPNPDE20080828_051907_000060362071_00334_33955_7399.N1	28AUG2008 05:19:07	28AUG2008 06:59:44	0	0	0	0	0
5	SCI_NL__OPNPDK20080828_065944_000041012071_00335_33956_9148.N1	28AUG2008 06:59:44	28AUG2008 08:08:05	0	0	0	0	0
6	SCI_NL__OPNPDK20080828_080805_000061052071_00336_33957_9149.N1	28AUG2008 08:08:05	28AUG2008 09:49:50	0	0	0	0	0
7	SCI_NL__OPNPDK20080828_094854_000059682071_00337_33958_9150.N1	28AUG2008 09:48:54	28AUG2008 11:28:22	1	1	0	0	0
8	SCI_NL__OPNPDK20080828_112822_000059802071_00338_33959_9156.N1	28AUG2008 11:28:22	28AUG2008 13:08:02	0	0	0	0	0
9	SCI_NL__OPNPDK20080828_130654_000059682071_00339_33960_9157.N1	28AUG2008 13:06:54	28AUG2008 14:46:21	0	0	0	0	0
10	SCI_NL__OPNPDK20080828_144417_000058562071_00340_33961_9158.N1	28AUG2008 14:44:17	28AUG2008 16:21:53	0	0	0	0	0
11	SCI_NL__OPNPDK20080828_162057_000059312071_00341_33962_9159.N1	28AUG2008 16:20:57	28AUG2008 17:59:49	0	0	0	0	0
12	SCI_NL__OPNPDK20080828_175853_000060922071_00342_33963_9160.N1	28AUG2008 17:58:53	28AUG2008 19:40:25	1	0	1	0	0
13	SCI_NL__OPNPDE20080828_193929_000040612071_00343_33964_7400.N1	28AUG2008 19:39:29	28AUG2008 20:47:10	0	0	0	0	0
14	SCI_NL__OPNPDE20080828_204710_000064642071_00343_33964_7401.N1	28AUG2008 20:47:10	28AUG2008 22:34:54	0	0	0	0	0
15	SCI_NL__OPNPDE20080828_223410_000059532071_00344_33965_7402.N1	28AUG2008 22:34:10	29AUG2008 00:13:23	0	0	0	0	0

0.2 Product Quality Indicators

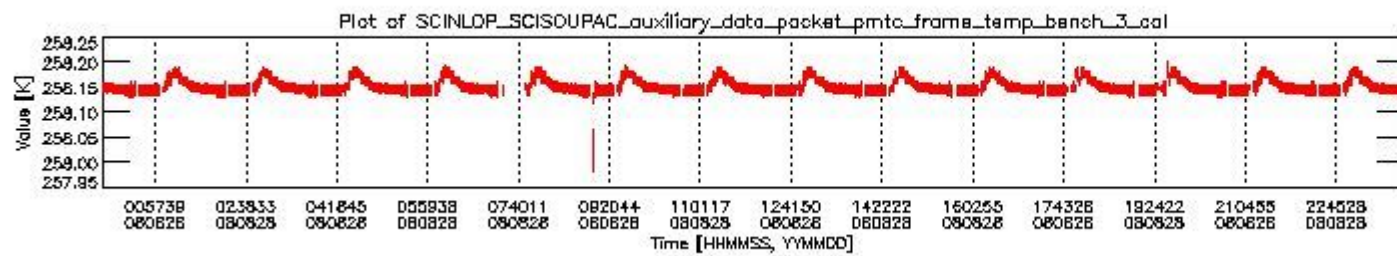
This section shows information about product quality, currently temperatures.



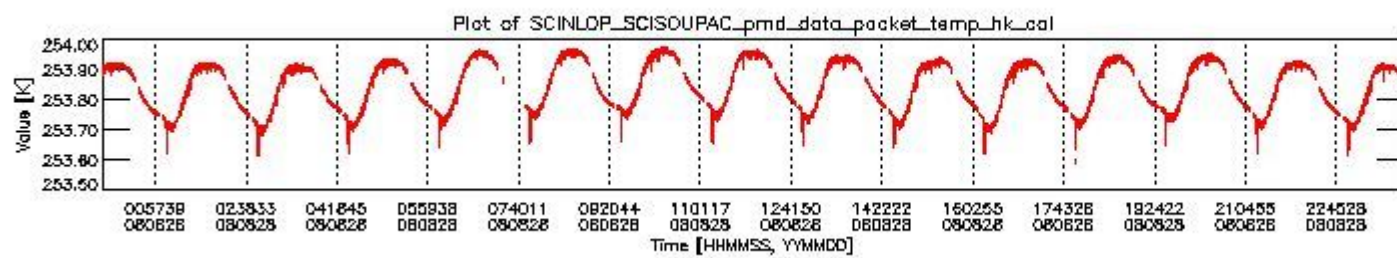
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080828_0.PNG



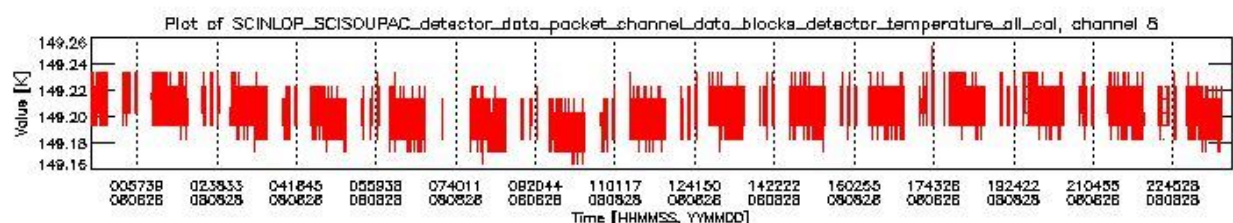
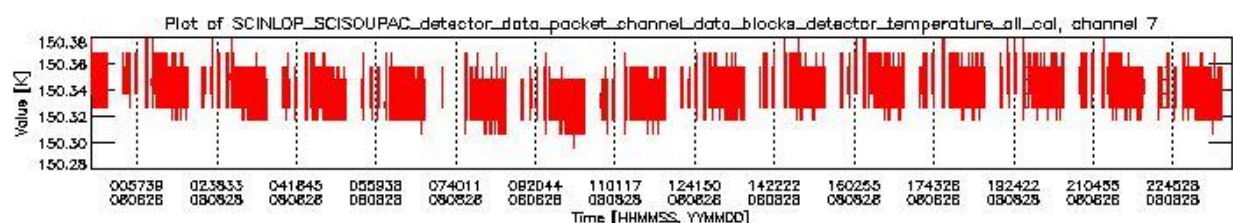
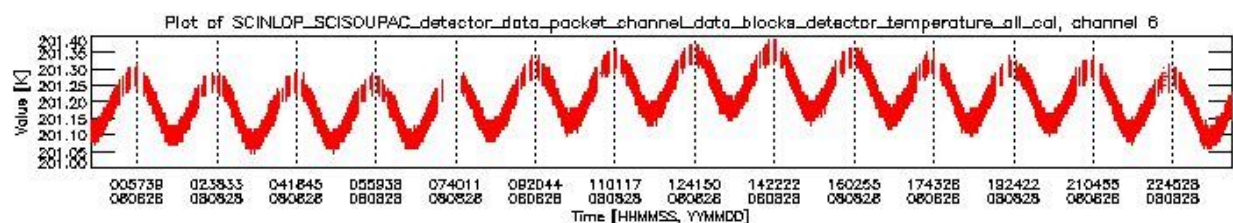
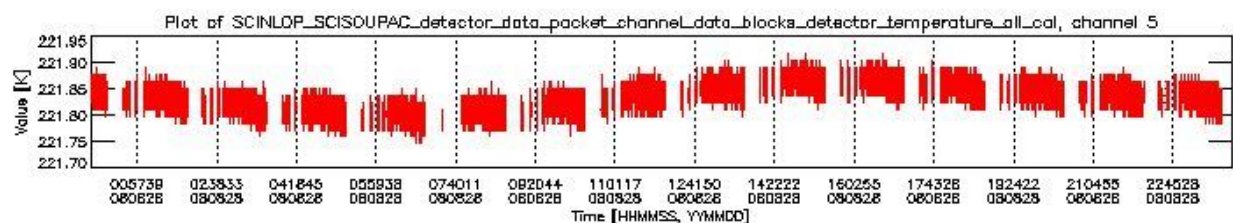
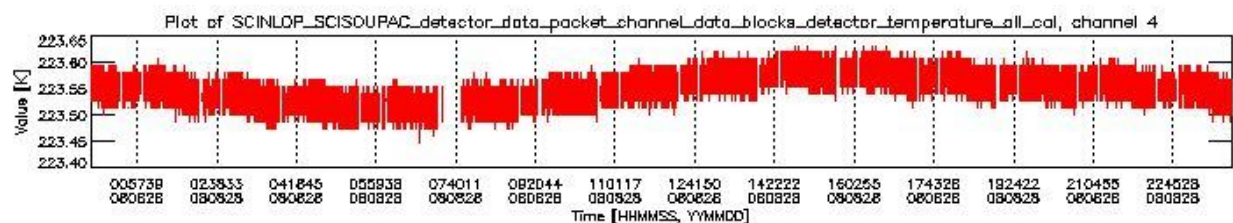
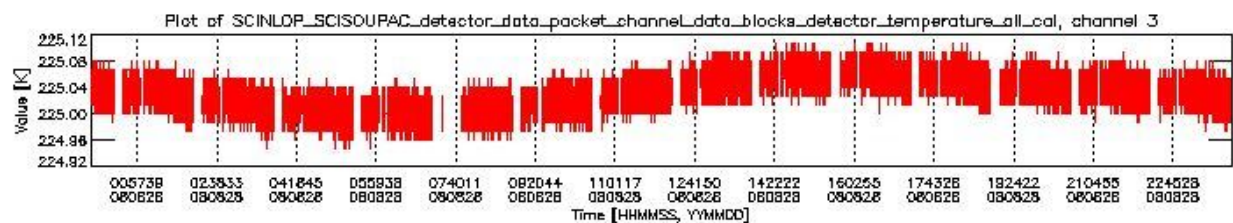
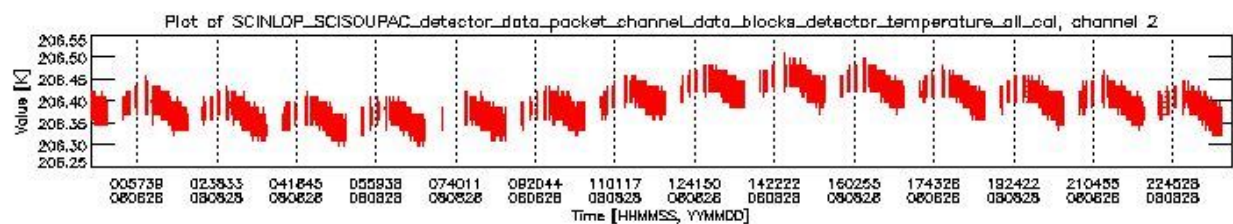
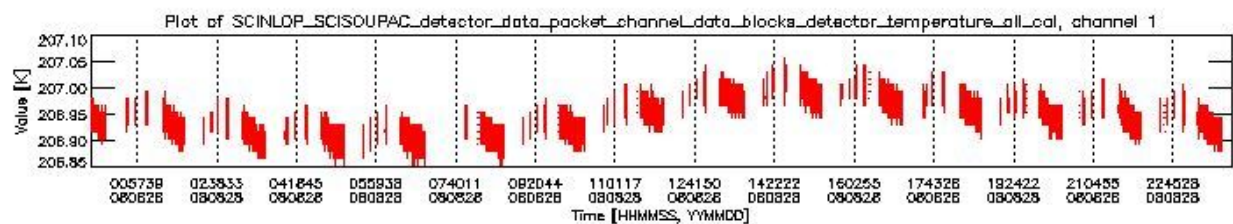
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080828_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080828_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080828_3.PNG

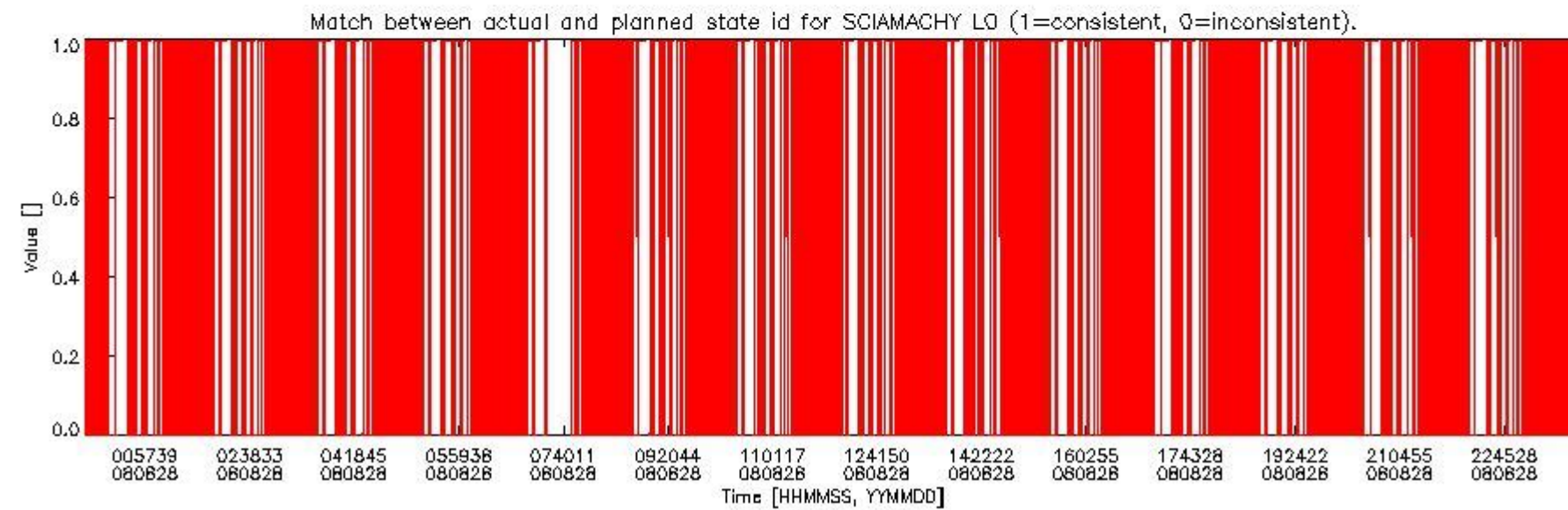
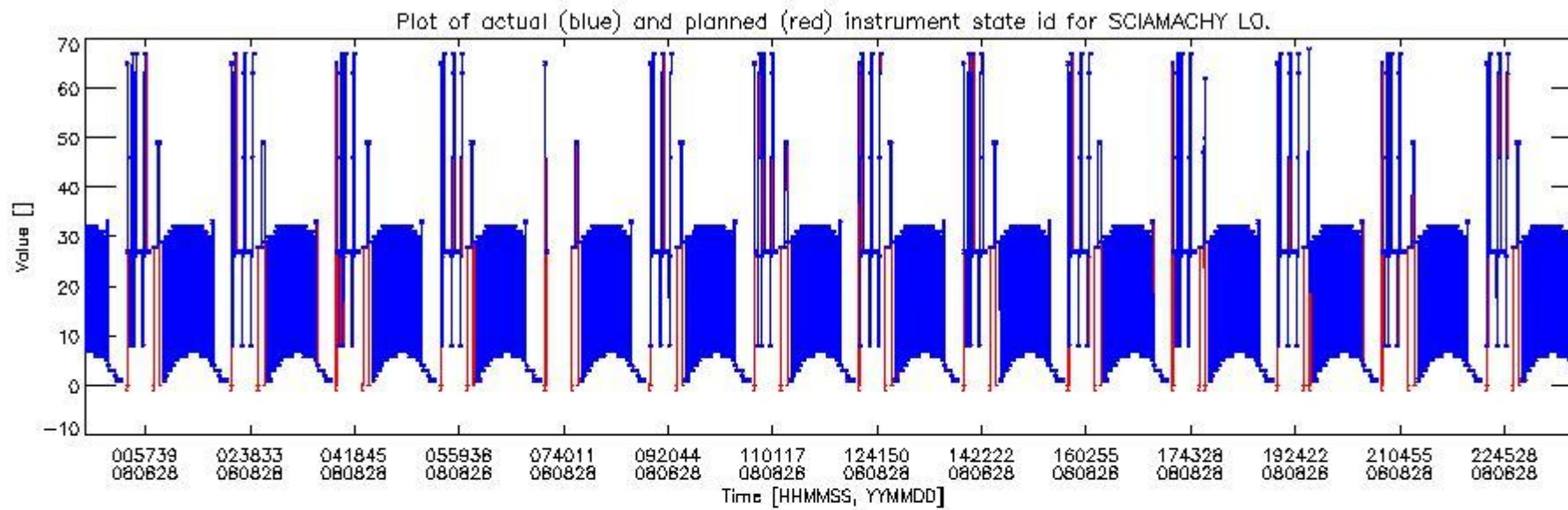


0.3 State monitoring

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: **46218**

#	Actual time	Actual value	Planned time	Planned value
0	28AUG2008 00:00:43.065950	7	28AUG2008 00:00:43.065950	32
1	28AUG2008 00:00:43.440963	7	28AUG2008 00:00:43.440963	32
2	28AUG2008 00:00:43.690972	7	28AUG2008 00:00:43.690972	32
3	28AUG2008 00:00:43.940981	7	28AUG2008 00:00:43.940981	32
4	28AUG2008 00:00:44.190949	7	28AUG2008 00:00:44.190949	32
5	28AUG2008 00:00:44.440958	7	28AUG2008 00:00:44.440958	32
6	28AUG2008 00:00:44.690967	7	28AUG2008 00:00:44.690967	32
7	28AUG2008 00:00:44.940975	7	28AUG2008 00:00:44.940975	32
8	28AUG2008 00:00:45.190984	7	28AUG2008 00:00:45.190984	32
9	28AUG2008 00:00:45.440952	7	28AUG2008 00:00:45.440952	32
10	28AUG2008 00:00:45.690961	7	28AUG2008 00:00:45.690961	32
11	28AUG2008 00:00:45.940970	7	28AUG2008 00:00:45.940970	32
12	28AUG2008 00:00:46.190979	7	28AUG2008 00:00:46.190979	32
13	28AUG2008 00:00:46.440987	7	28AUG2008 00:00:46.440987	32
14	28AUG2008 00:00:46.690956	7	28AUG2008 00:00:46.690956	32
15	28AUG2008 00:00:46.940964	7	28AUG2008 00:00:46.940964	32
16	28AUG2008 00:00:47.190973	7	28AUG2008 00:00:47.190973	32
17	28AUG2008 00:00:47.440982	7	28AUG2008 00:00:47.440982	32
18	28AUG2008 00:00:47.690950	7	28AUG2008 00:00:47.690950	32
19	28AUG2008 00:00:47.940959	7	28AUG2008 00:00:47.940959	32

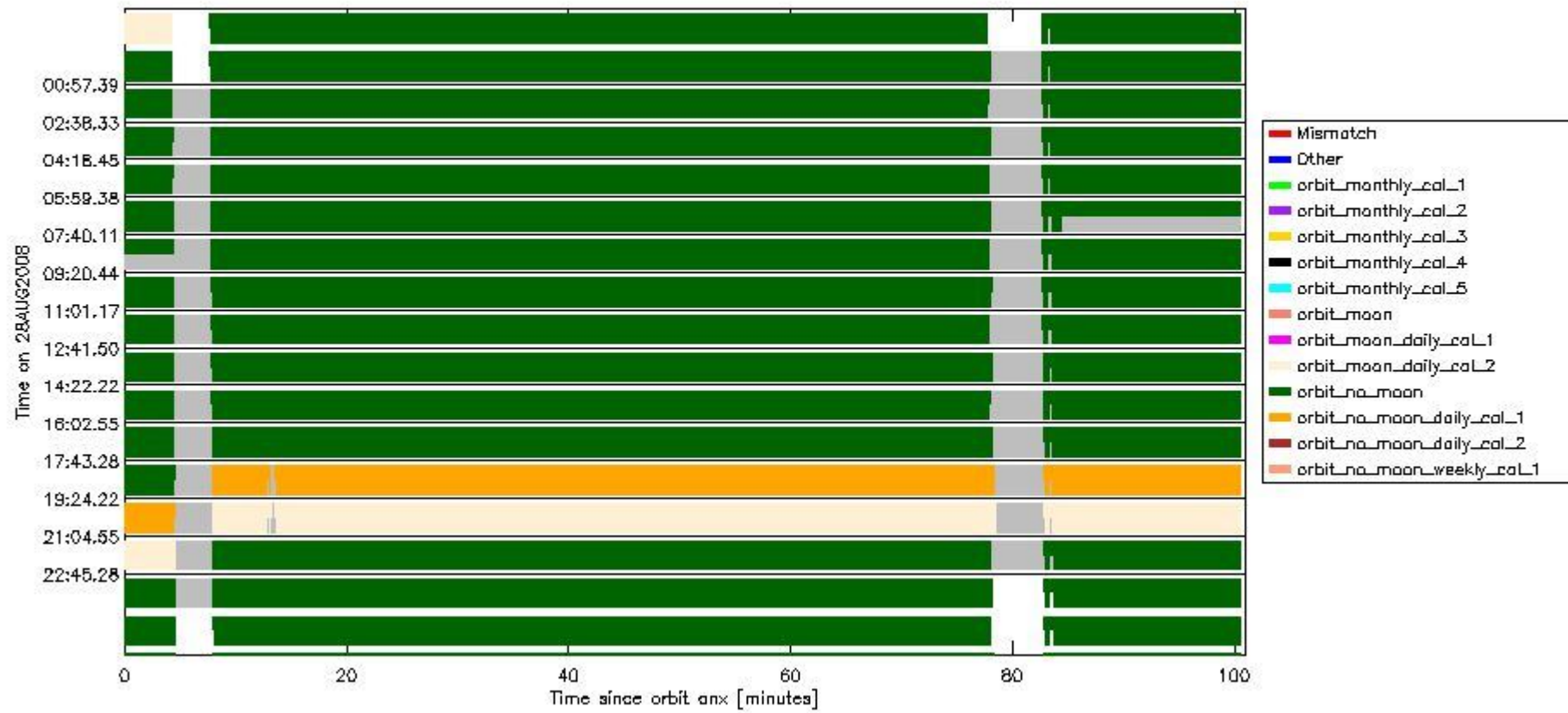


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080828_5.PNG

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 28AUG2008.
 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_20080828_6.PNG

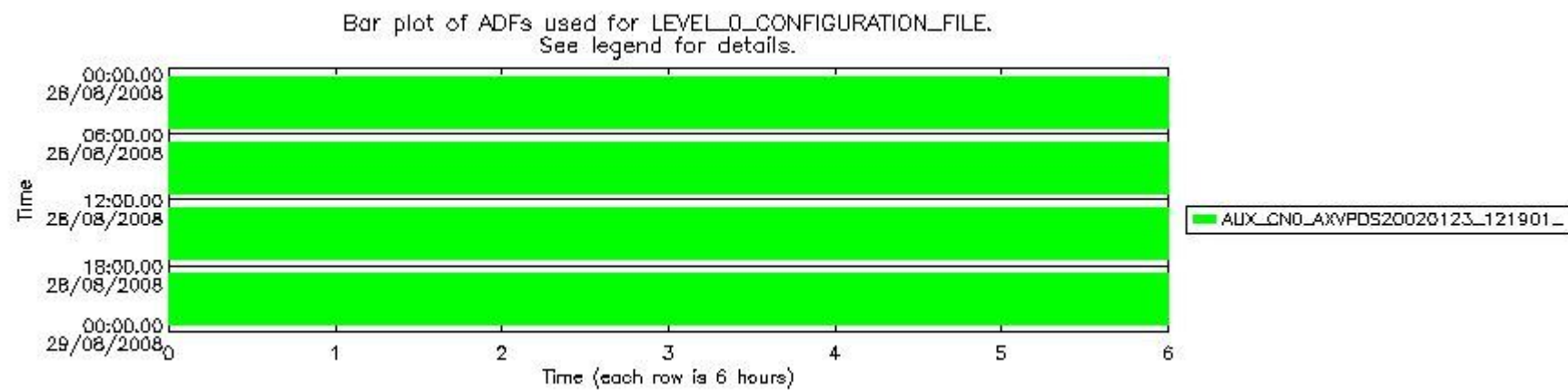
0.4 ADF monitoring

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

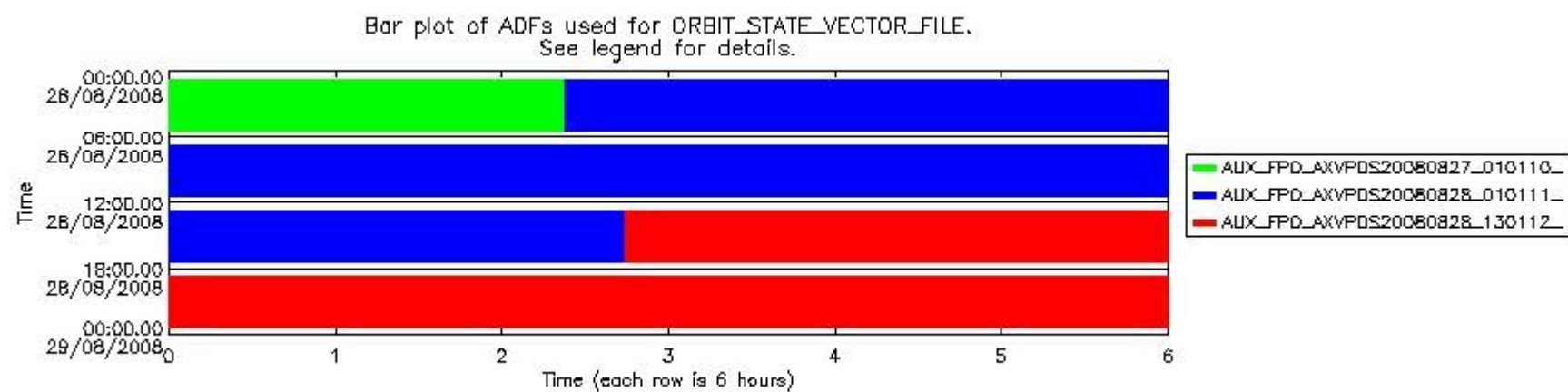
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

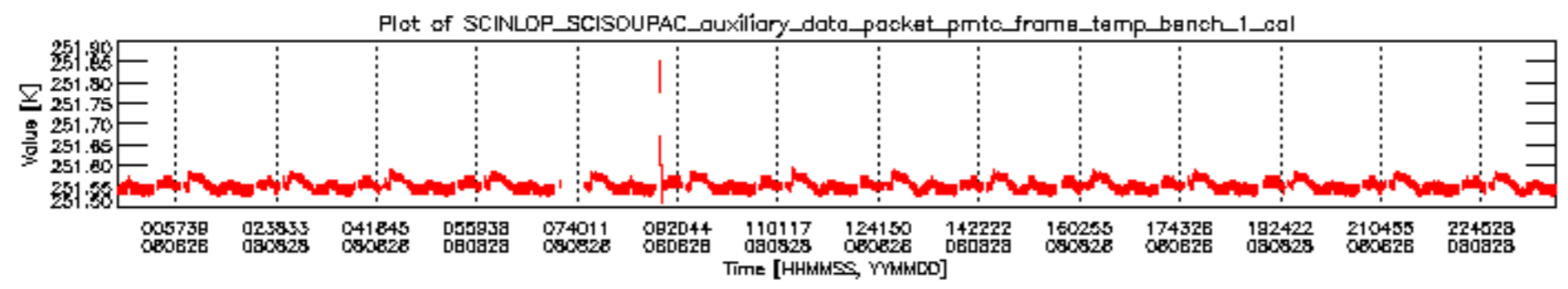
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080827_010110_20080826_184655_20080905_201307
2	AUX_FPO_AXVPDS20080828_010111_20080827_195554_20080906_212206
3	AUX_FPO_AXVPDS20080828_130112_20080828_092041_20080906_230242

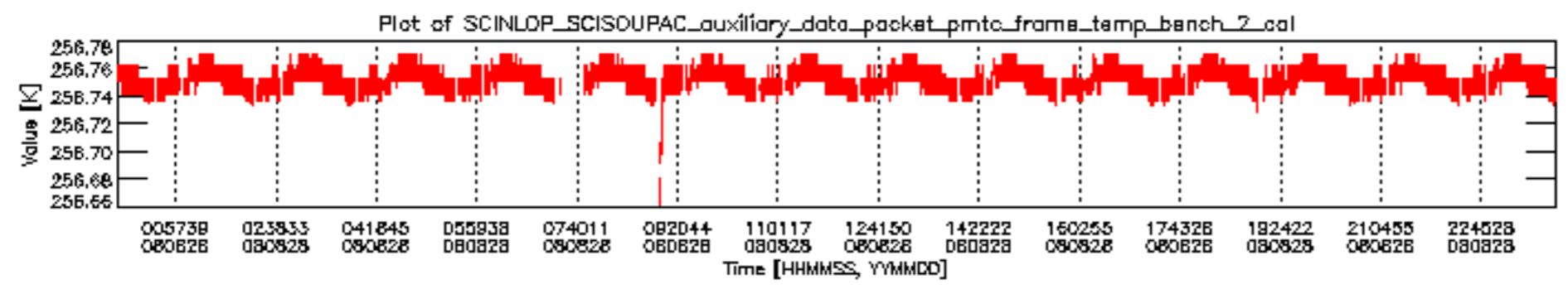


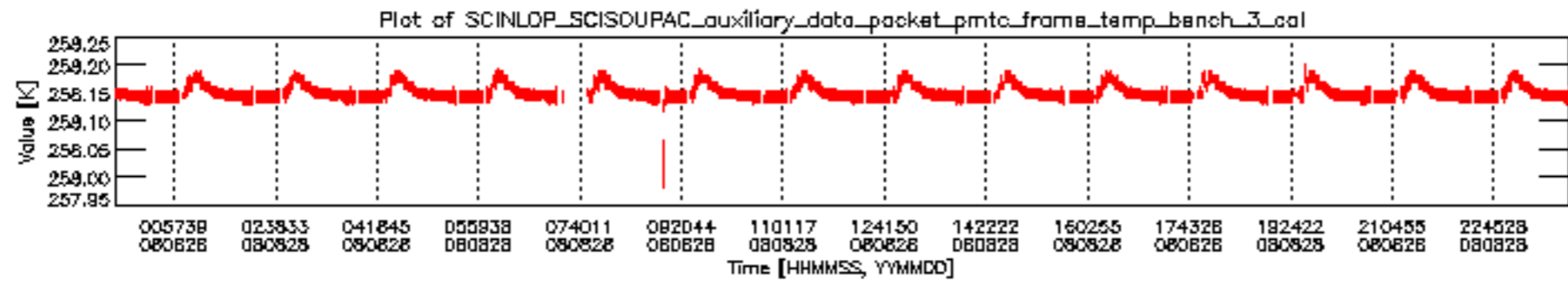
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080828_7.PNG

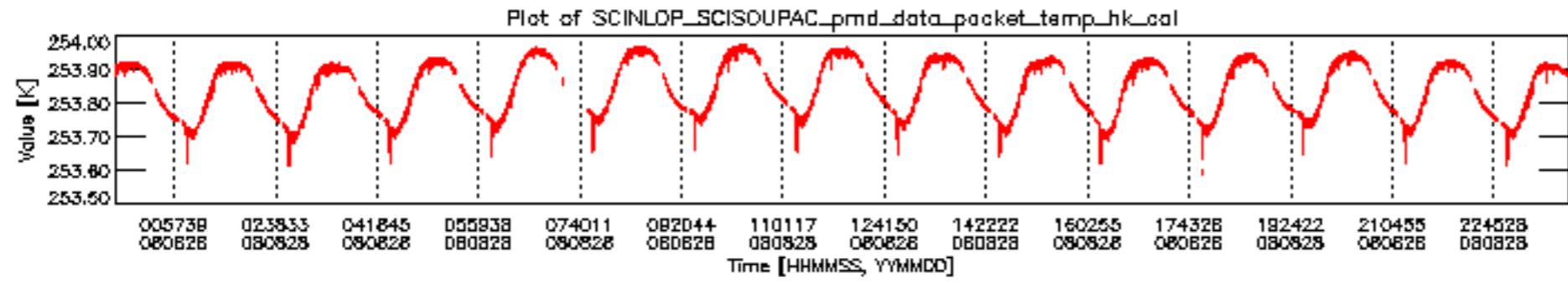


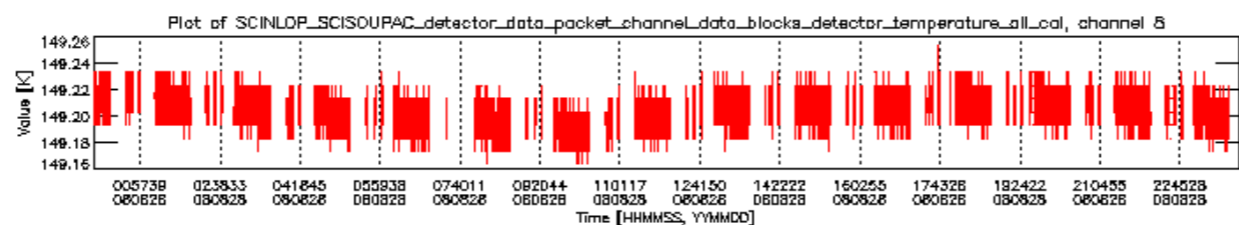
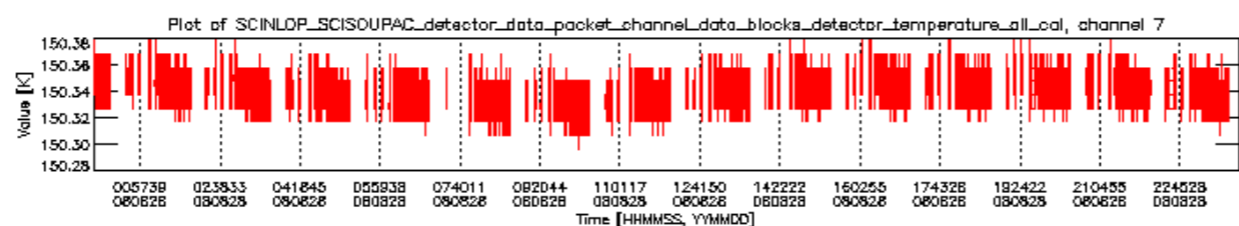
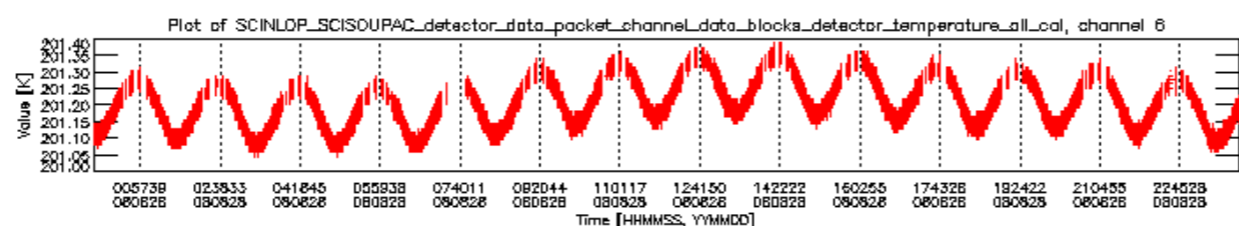
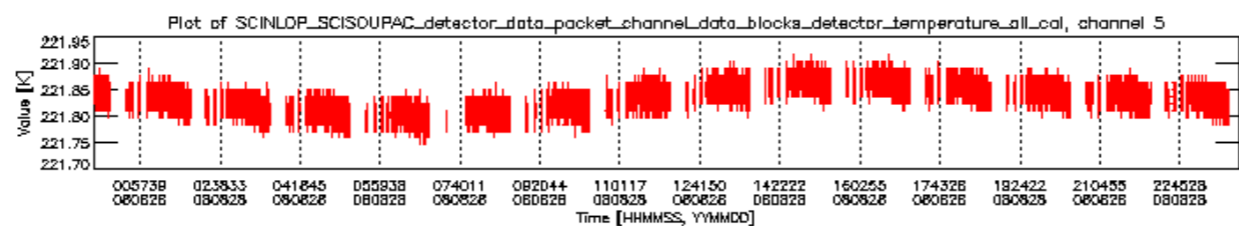
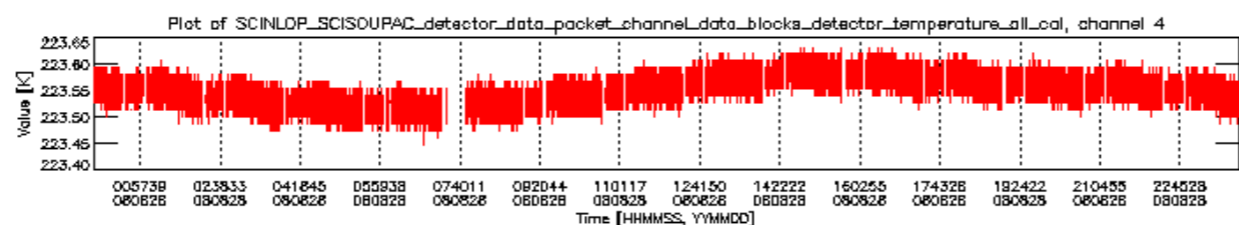
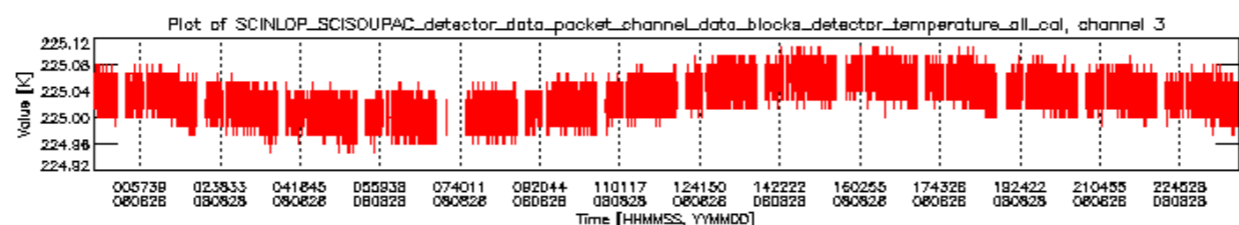
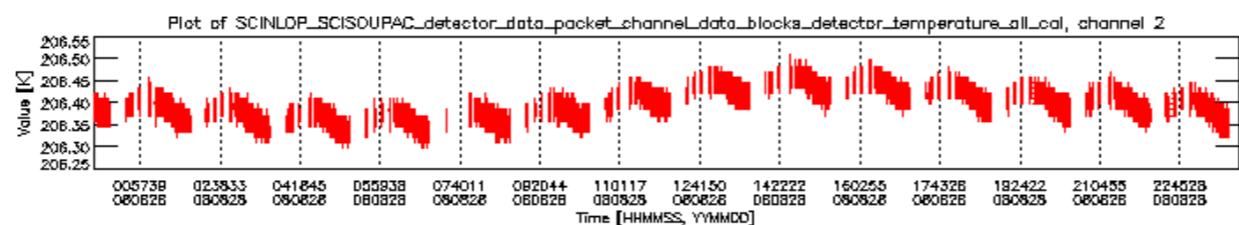
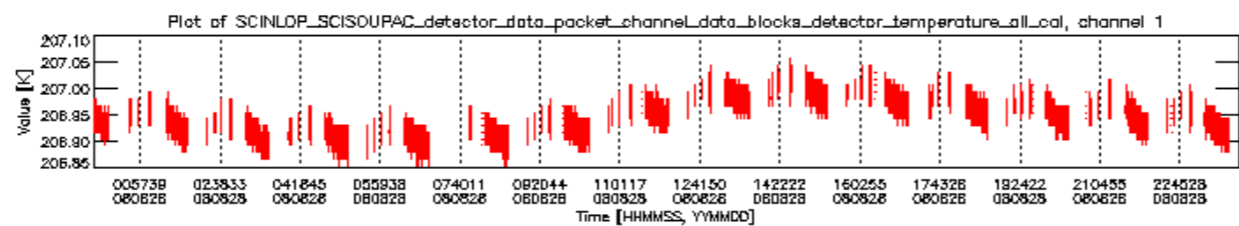
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080828_8.PNG

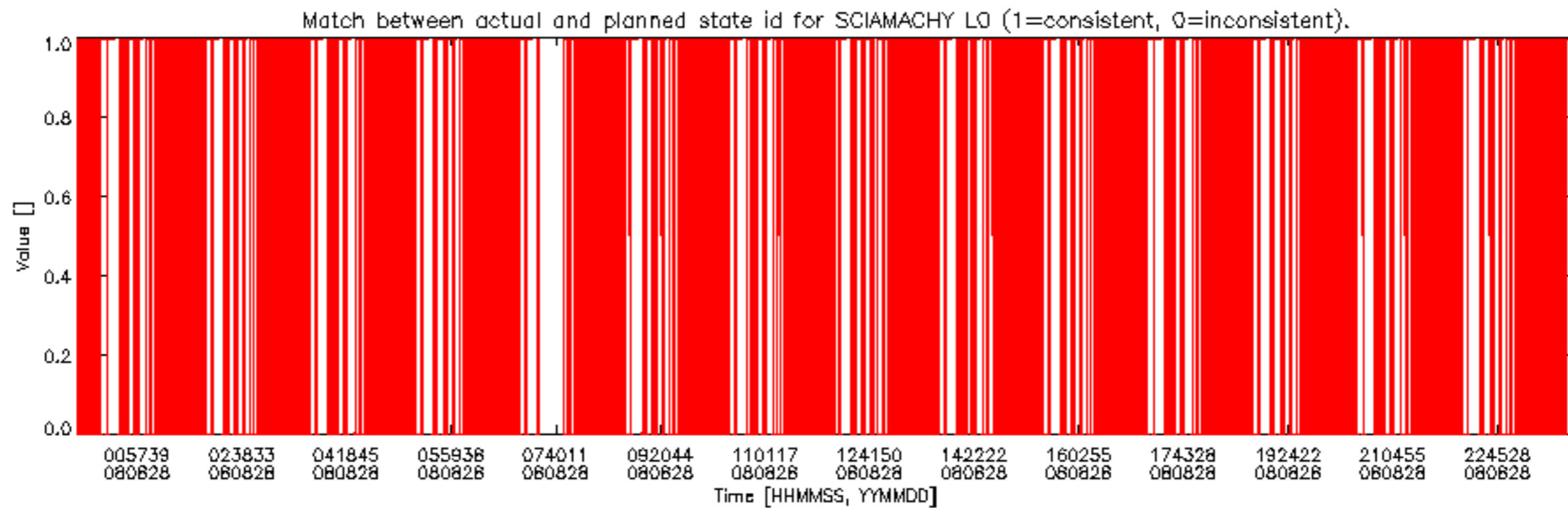
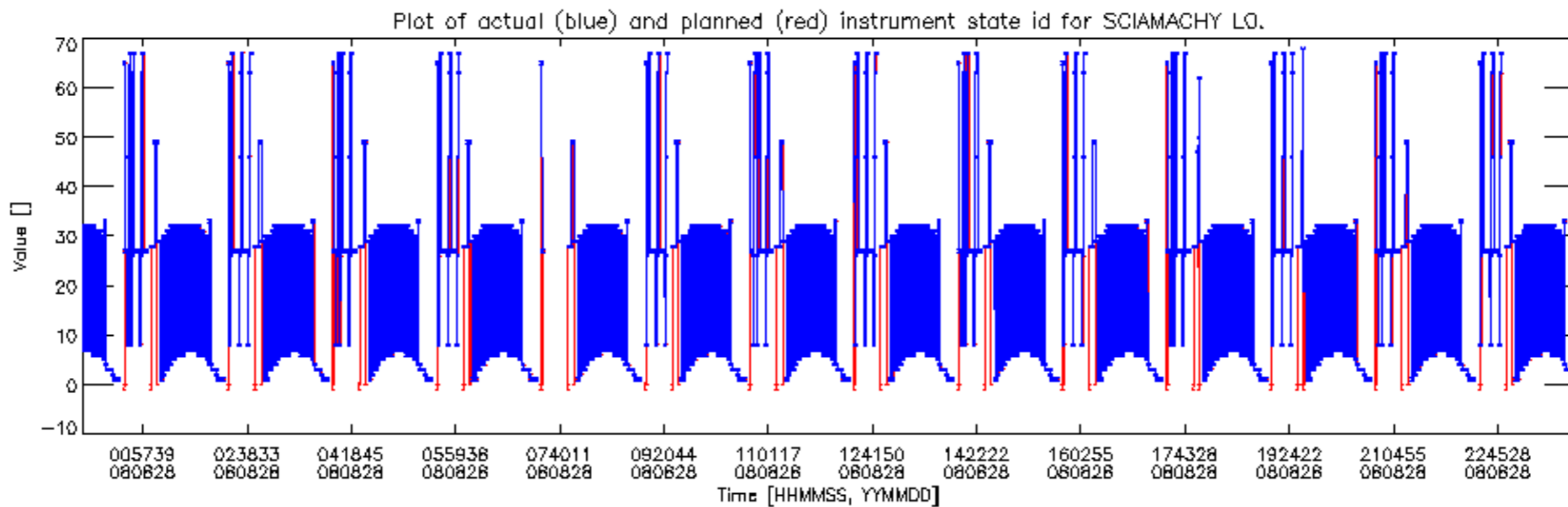




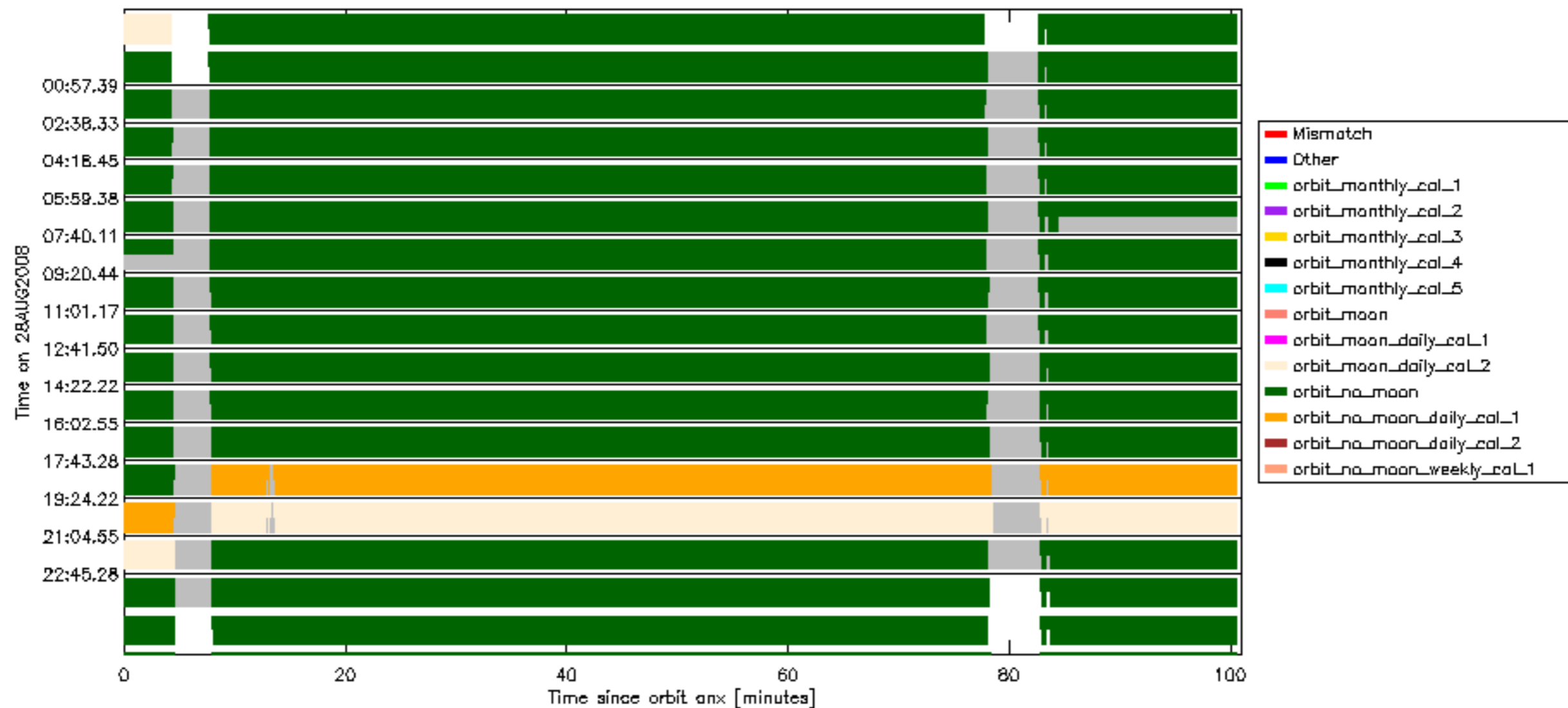


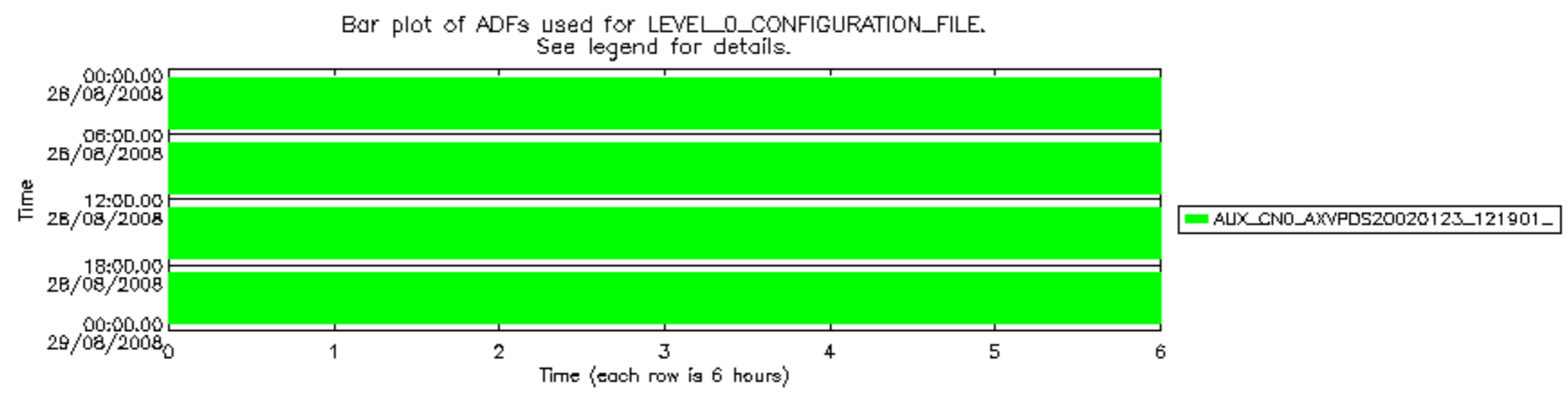






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
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

