

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	02JUN2008 04:55:57
Data source version	KSPT_L0/4303-N
Processing scope for products	29MAY2008 00:00:00 to 30MAY2008 00:00:00
Start time of first product within scope	28MAY2008 22:23:08
Stop time of last product within scope	30MAY2008 01:13:13
Total number of level 0 products	17
Number of level 0 products with errors	0

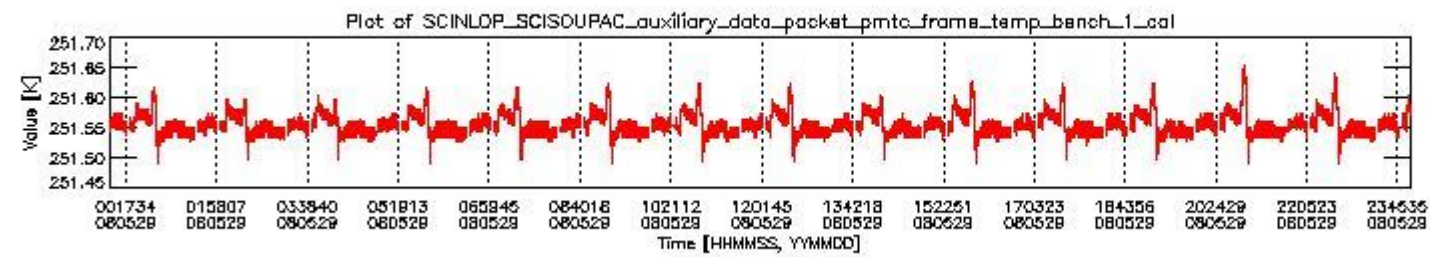
0.1.2 Summary per product

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

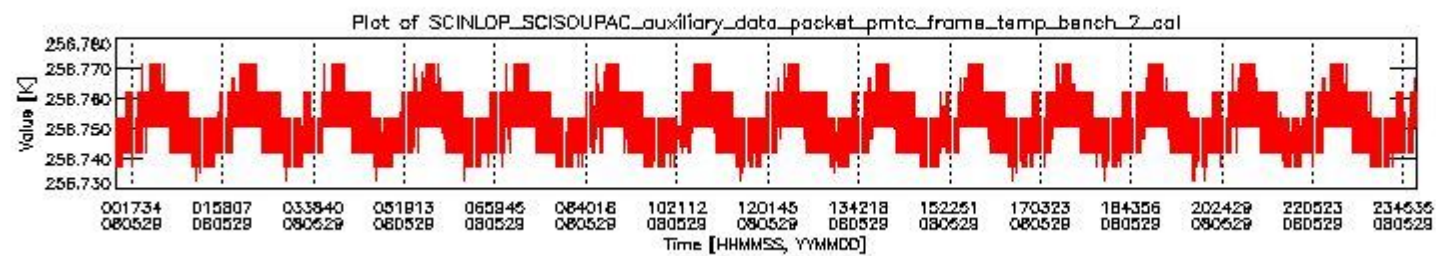
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080528_222308_000061212069_00029_32648_6857.N1	28MAY2008 22:23:08	29MAY2008 00:05:09	0	0	0	0	0
1	SCI_NL__OPNPDE20080529_000425_000059812069_00030_32649_6858.N1	29MAY2008 00:04:25	29MAY2008 01:44:06	0	0	0	0	0
2	SCI_NL__OPNPDE20080529_014248_000045242069_00031_32650_6859.N1	29MAY2008 01:42:48	29MAY2008 02:58:12	0	0	0	0	0
3	SCI_NL__OPNPDE20080529_025716_000061602069_00032_32651_6860.N1	29MAY2008 02:57:16	29MAY2008 04:39:57	0	0	0	0	0
4	SCI_NL__OPNPDE20080529_043957_000060362069_00033_32652_6861.N1	29MAY2008 04:39:57	29MAY2008 06:20:32	0	0	0	0	0
5	SCI_NL__OPNPDK20080529_061924_000041822069_00034_32653_8341.N1	29MAY2008 06:19:24	29MAY2008 07:29:06	0	0	0	0	0
6	SCI_NL__OPNPDK20080529_072757_000060922069_00035_32654_8342.N1	29MAY2008 07:27:57	29MAY2008 09:09:29	0	0	0	0	0
7	SCI_NL__OPNPDK20080529_090833_000060362069_00036_32655_8343.N1	29MAY2008 09:08:33	29MAY2008 10:49:09	0	0	0	0	0
8	SCI_NL__OPNPDK20080529_104909_000059112069_00037_32656_8344.N1	29MAY2008 10:49:09	29MAY2008 12:27:40	0	0	0	0	0
9	SCI_NL__OPNPDK20080529_122740_000059802069_00038_32657_8345.N1	29MAY2008 12:27:40	29MAY2008 14:07:20	0	0	0	0	0
10	SCI_NL__OPNPDK20080529_140720_000058432069_00039_32658_8346.N1	29MAY2008 14:07:20	29MAY2008 15:44:43	0	0	0	0	0
11	SCI_NL__OPNPDK20080529_154334_000059392069_00040_32659_8347.N1	29MAY2008 15:43:34	29MAY2008 17:22:33	0	0	0	0	0
12	SCI_NL__OPNPDK20080529_172124_000060362069_00041_32660_8348.N1	29MAY2008 17:21:24	29MAY2008 19:02:00	0	0	0	0	0
13	SCI_NL__OPNPDK20080529_190052_000060892069_00042_32661_8349.N1	29MAY2008 19:00:52	29MAY2008 20:42:21	0	0	0	0	0
14	SCI_NL__OPNPDE20080529_204125_000042362069_00043_32662_6862.N1	29MAY2008 20:41:25	29MAY2008 21:52:01	0	0	0	0	0
15	SCI_NL__OPNPDE20080529_215201_000062222069_00043_32662_6863.N1	29MAY2008 21:52:01	29MAY2008 23:35:44	0	0	0	0	0
16	SCI_NL__OPNPDE20080529_233457_000058962069_00044_32663_6864.N1	29MAY2008 23:34:57	30MAY2008 01:13:13	0	0	0	0	0

0.2 Product Quality Indicators

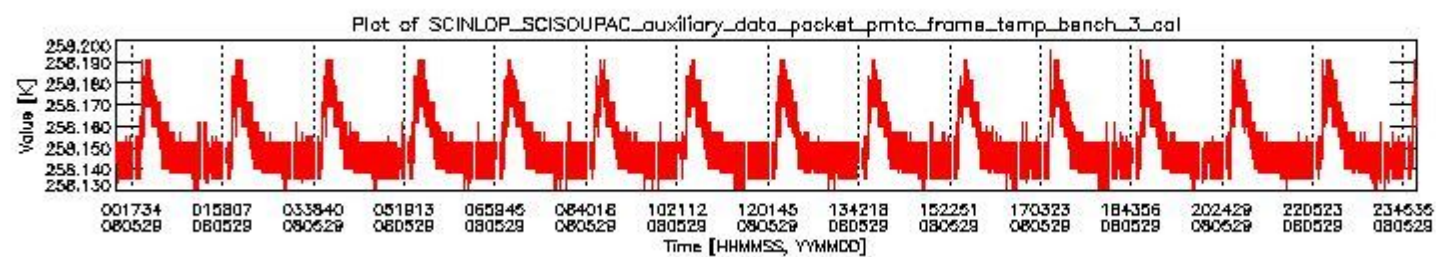
This section shows information about product quality, currently temperatures.



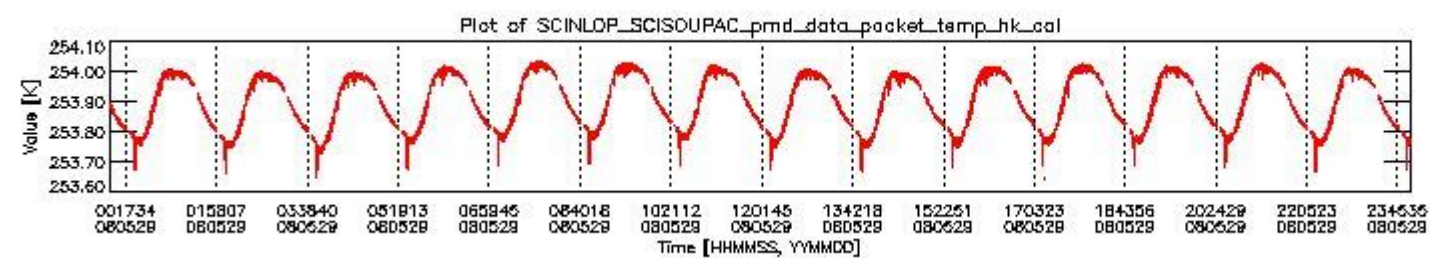
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080529_0.PNG



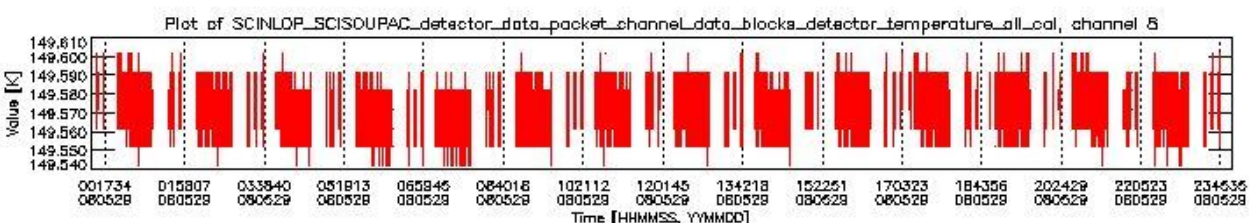
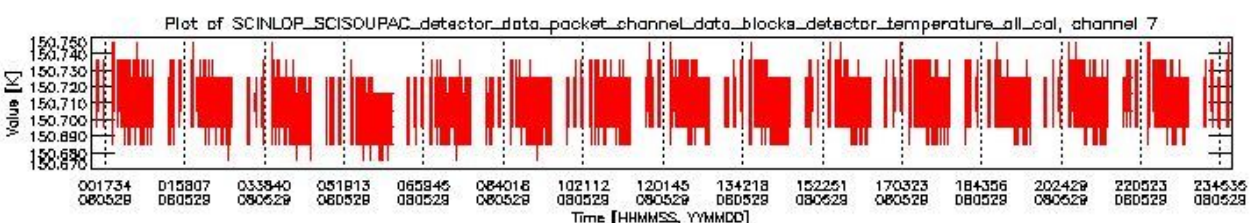
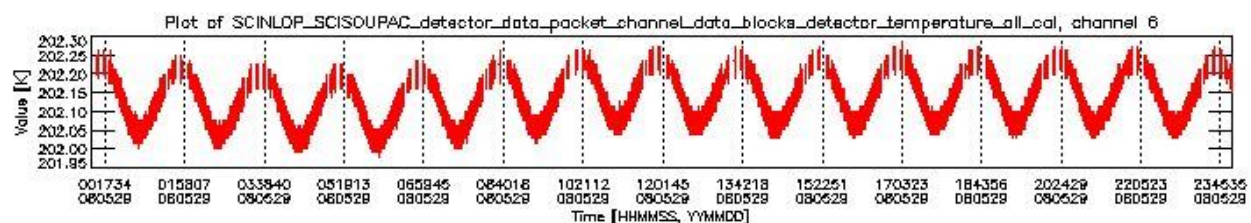
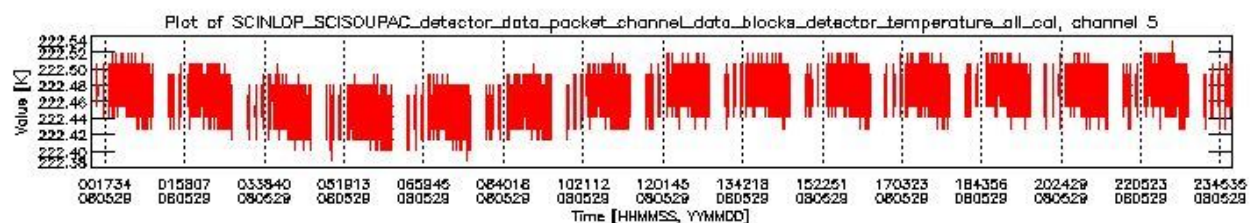
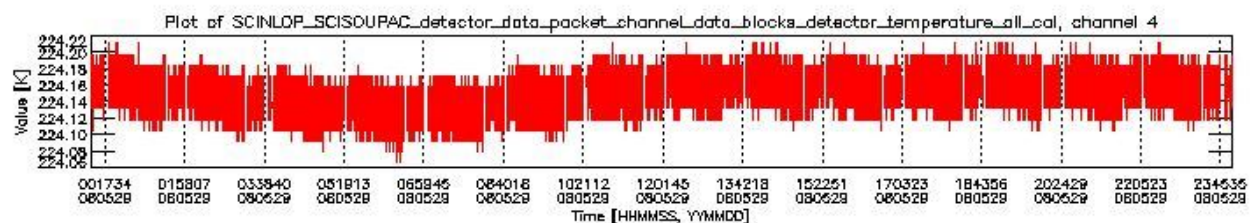
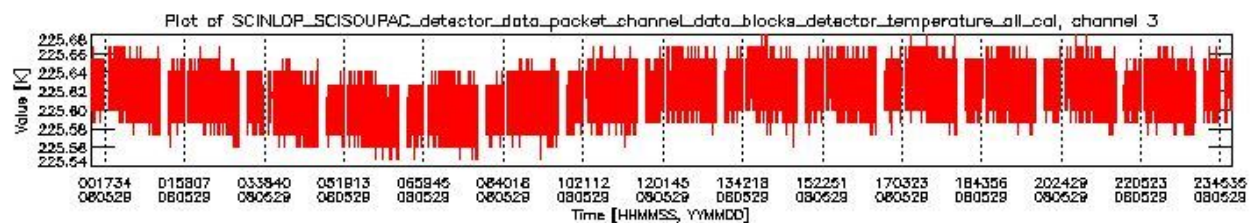
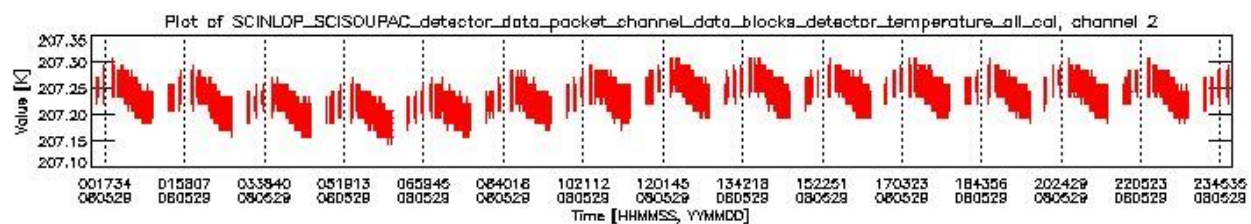
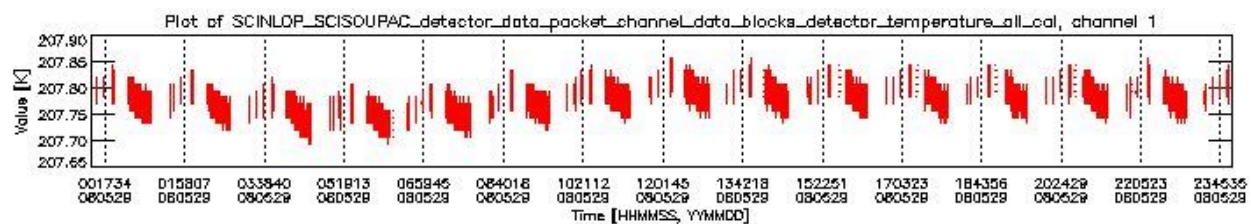
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080529_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080529_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080529_3.PNG

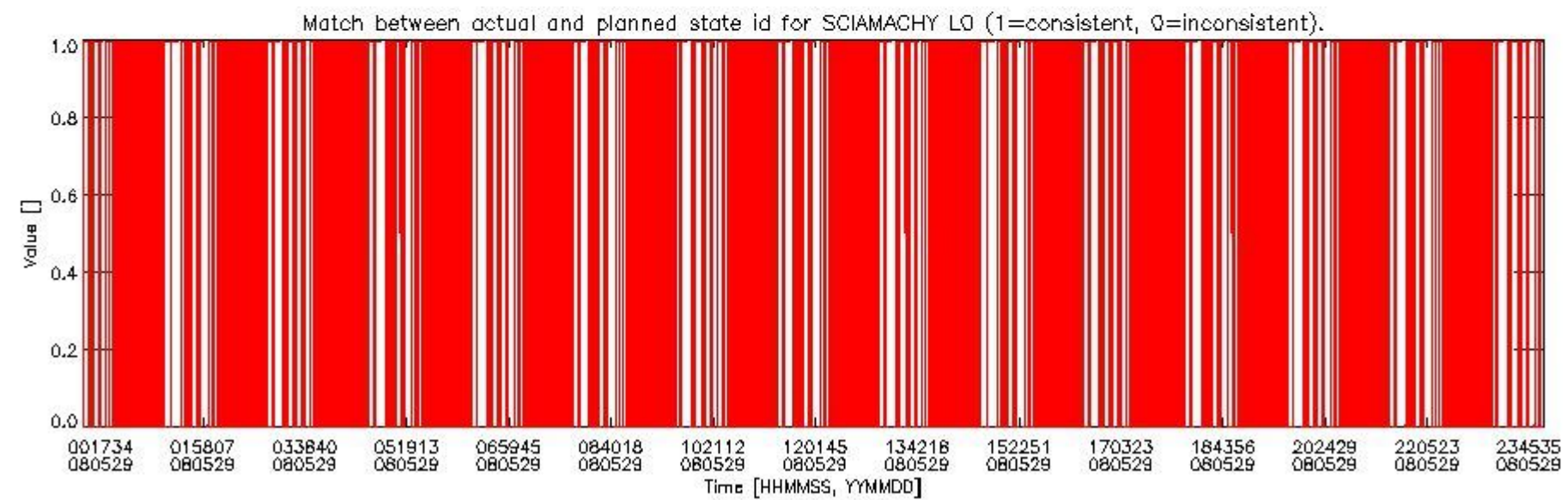
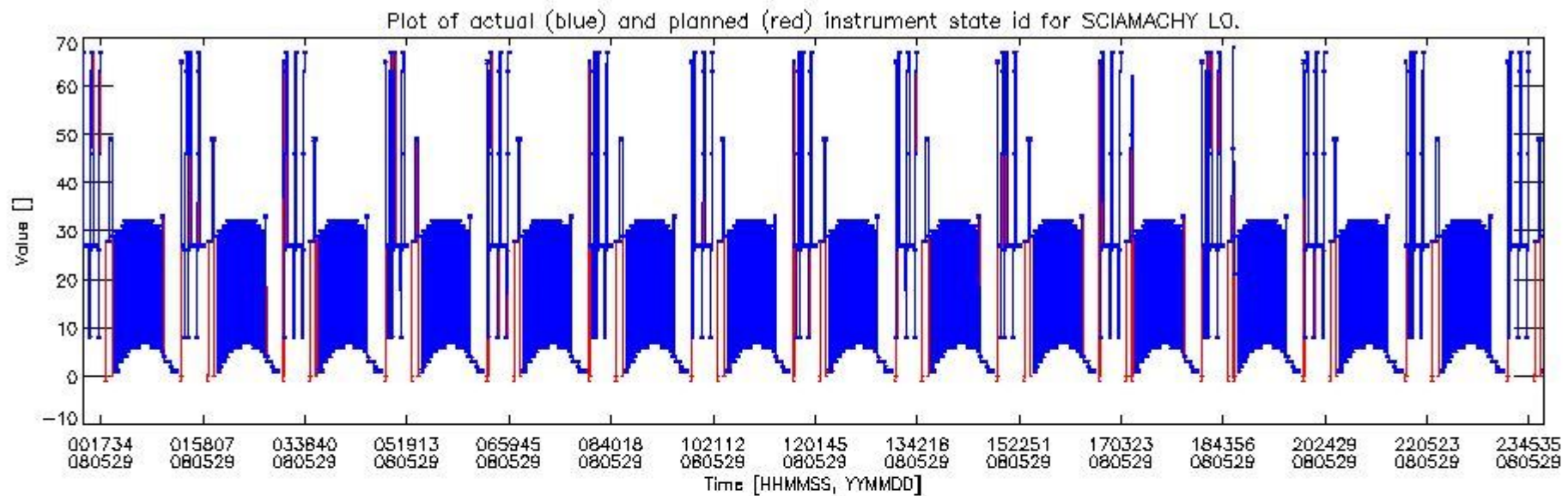


0.3 State monitoring

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: **36952**

#	Actual time	Actual value	Planned time	Planned value
0	29MAY2008 00:00:01.024376	27	29MAY2008 00:00:01.024376	67
1	29MAY2008 00:00:02.024370	27	29MAY2008 00:00:02.024370	67
2	29MAY2008 00:00:02.961883	27	29MAY2008 00:00:02.961883	67
3	29MAY2008 00:00:03.711869	27	29MAY2008 00:00:03.711869	67
4	29MAY2008 00:00:04.649381	27	29MAY2008 00:00:04.649381	67
5	29MAY2008 00:00:05.399407	27	29MAY2008 00:00:05.399407	67
6	29MAY2008 00:00:06.024389	27	29MAY2008 00:00:06.024389	67
7	29MAY2008 00:00:06.336880	27	29MAY2008 00:00:06.336880	67
8	29MAY2008 00:00:07.086906	27	29MAY2008 00:00:07.086906	67
9	29MAY2008 00:00:08.024378	27	29MAY2008 00:00:08.024378	67
10	29MAY2008 00:00:08.774404	27	29MAY2008 00:00:08.774404	67
11	29MAY2008 00:05:53.497097	8	29MAY2008 00:05:53.497097	27
12	29MAY2008 00:05:54.622096	8	29MAY2008 00:05:54.622096	27
13	29MAY2008 00:05:55.622090	8	29MAY2008 00:05:55.622090	27
14	29MAY2008 00:05:56.622085	8	29MAY2008 00:05:56.622085	27
15	29MAY2008 00:05:57.622080	8	29MAY2008 00:05:57.622080	27
16	29MAY2008 00:05:58.497070	8	29MAY2008 00:05:58.497070	27
17	29MAY2008 00:05:58.622074	8	29MAY2008 00:05:58.622074	27
18	29MAY2008 00:05:59.622069	8	29MAY2008 00:05:59.622069	27
19	29MAY2008 00:06:00.622104	8	29MAY2008 00:06:00.622104	27

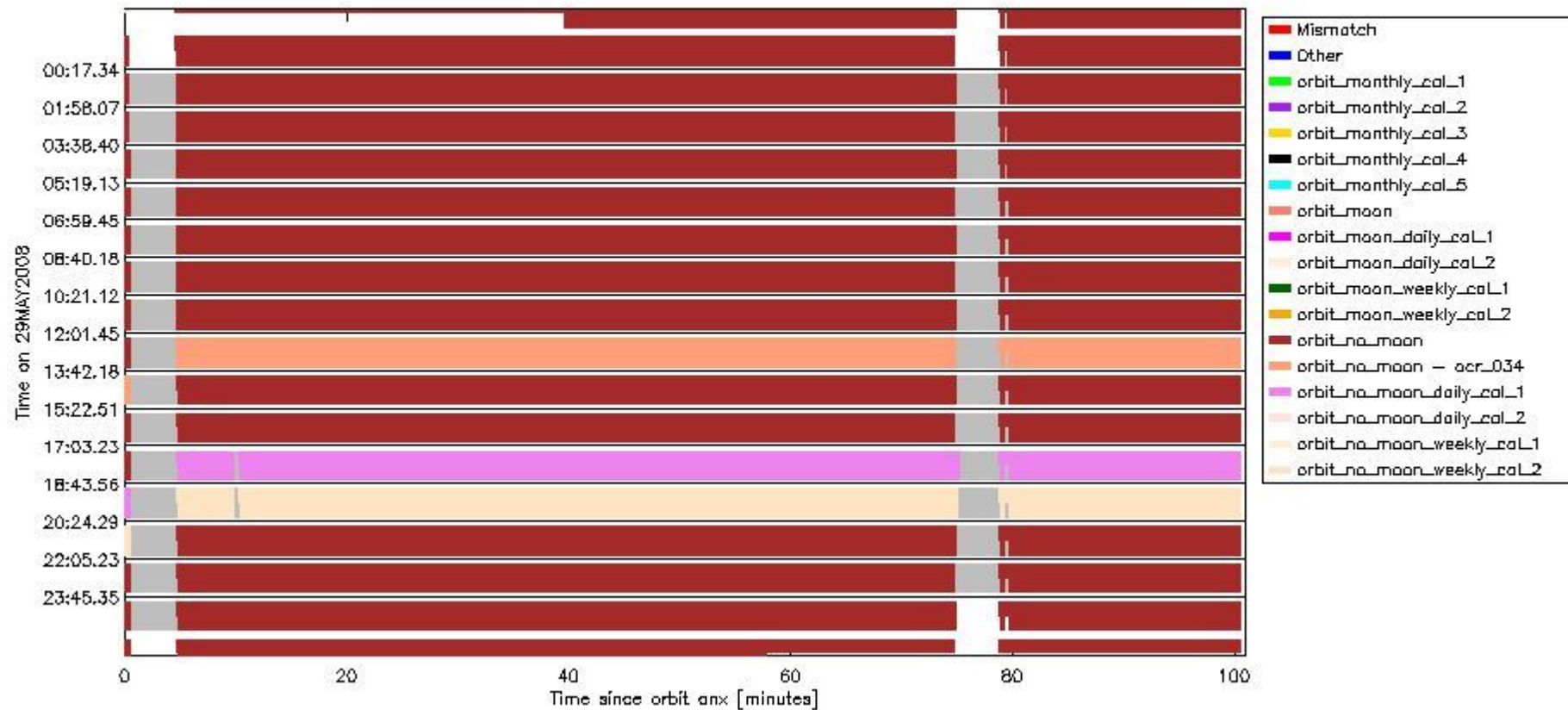


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080529_5.PNG

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 29MAY2008.
 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_20080529_6.PNG

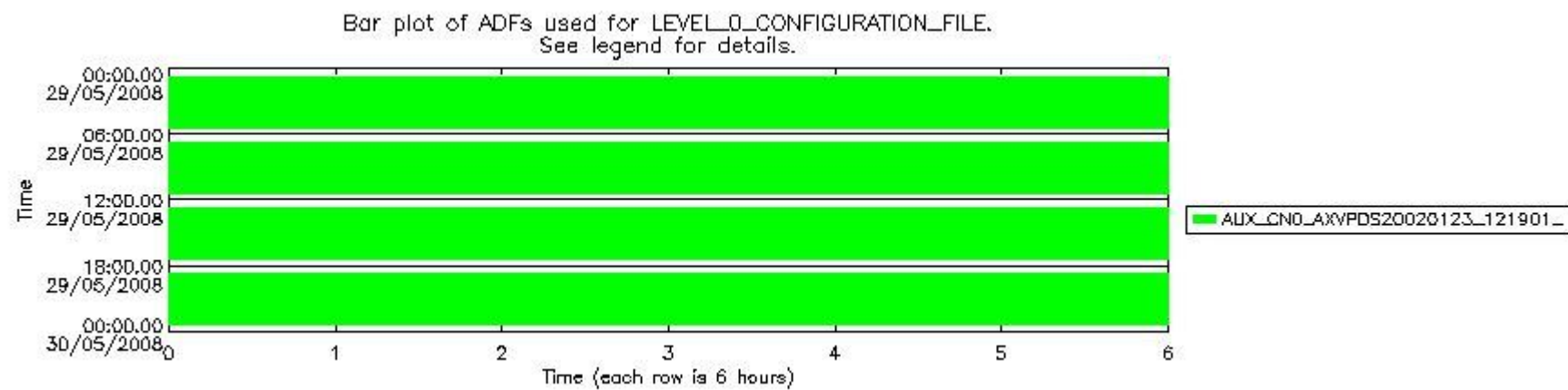
0.4 ADF monitoring

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

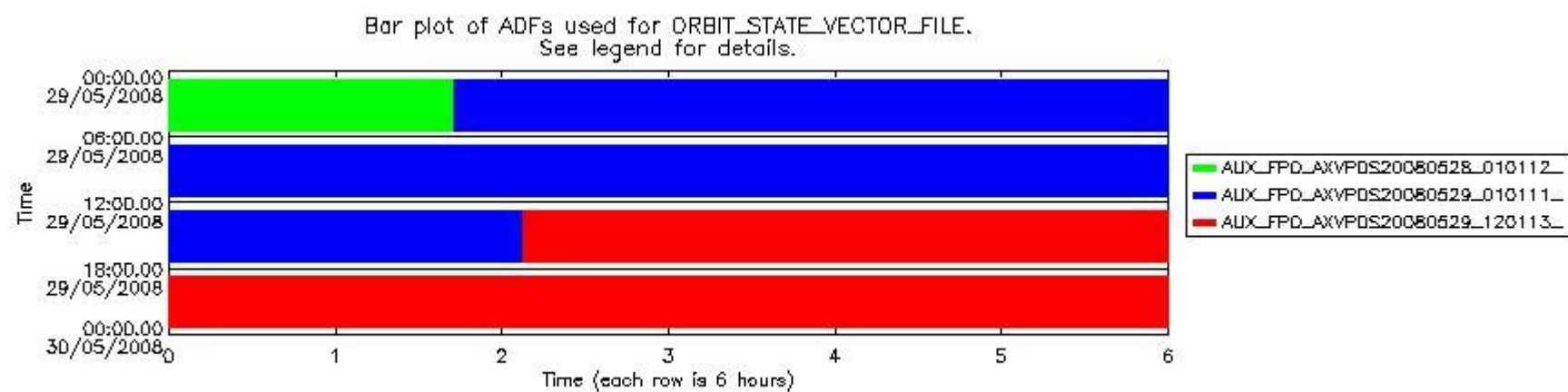
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

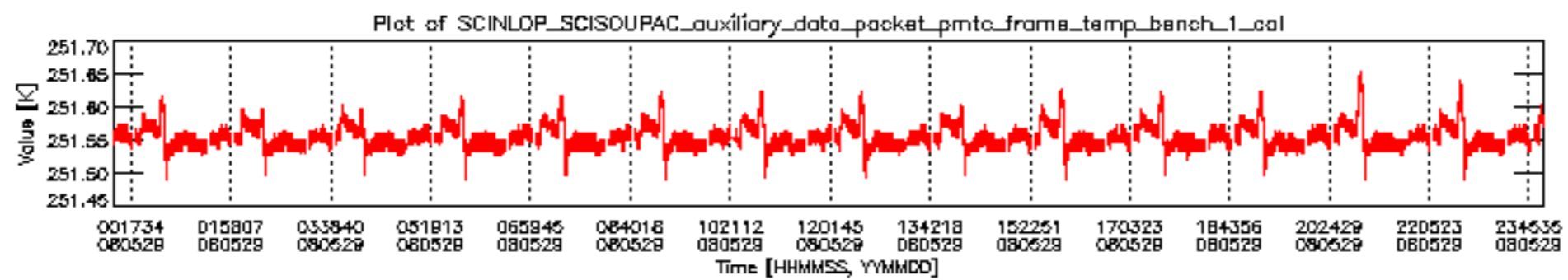
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080528_010112_20080527_194717_20080606_211331
2	AUX_FPO_AXVPDS20080529_010111_20080528_191540_20080607_204154
3	AUX_FPO_AXVPDS20080529_120113_20080529_084027_20080608_000306

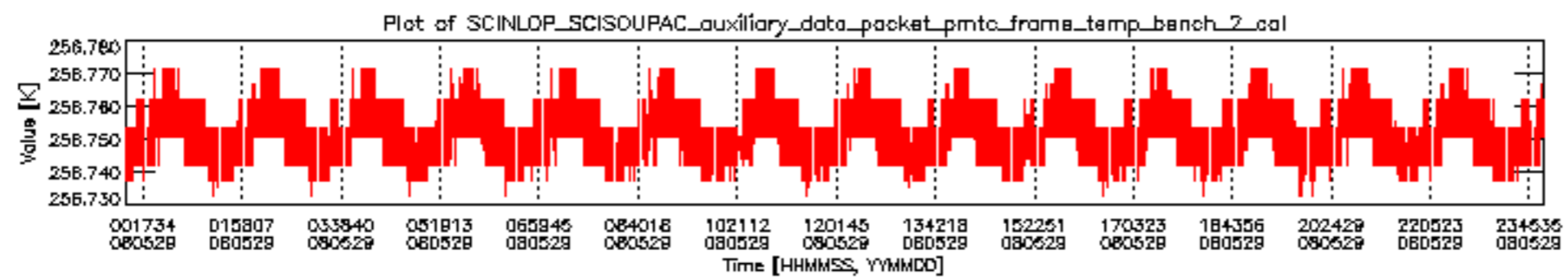


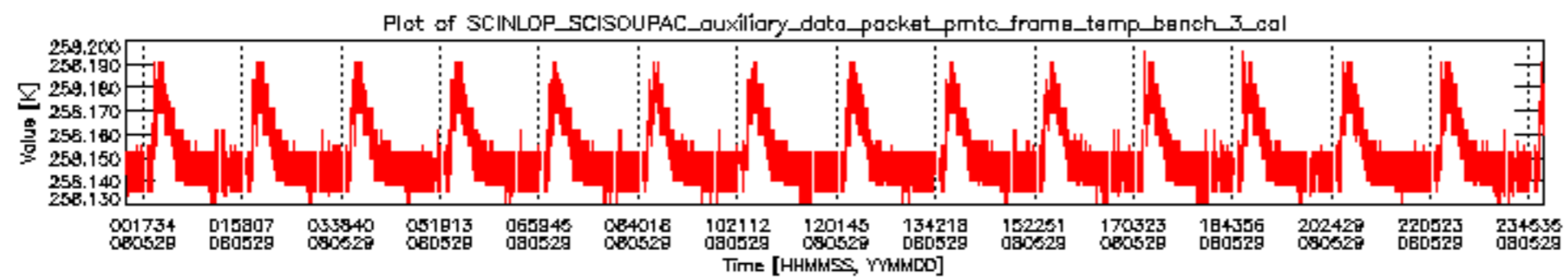
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080529_7.PNG

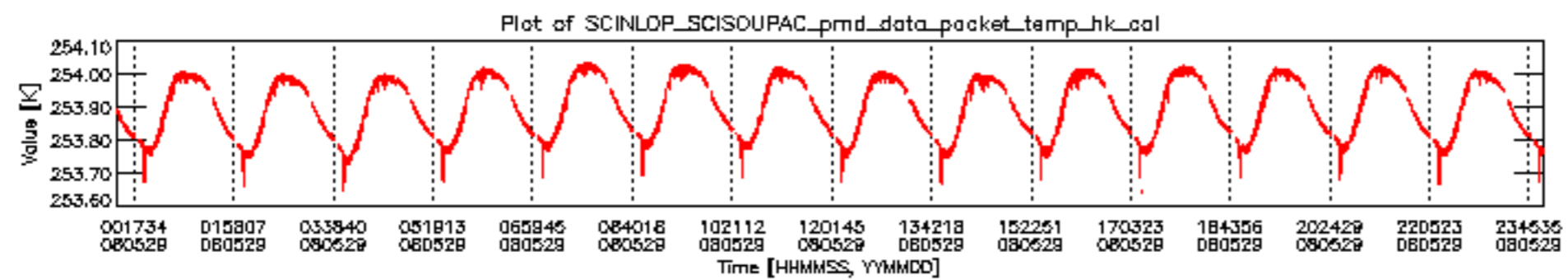


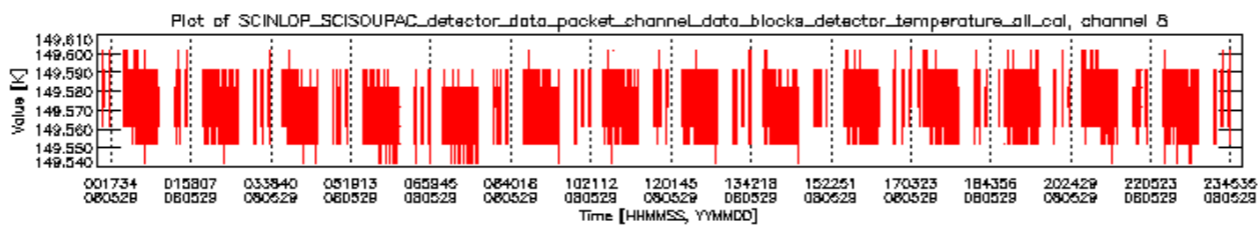
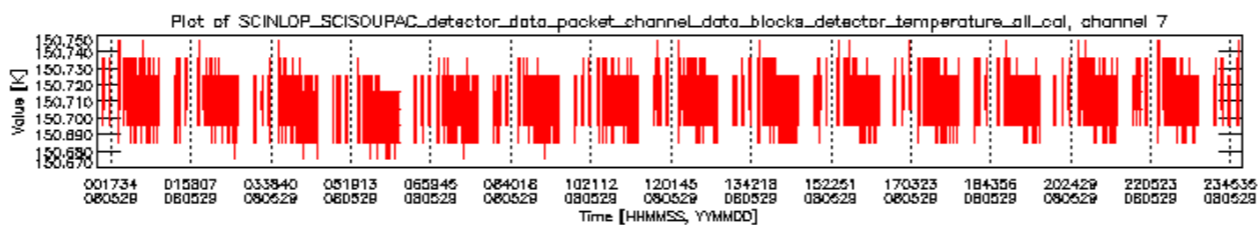
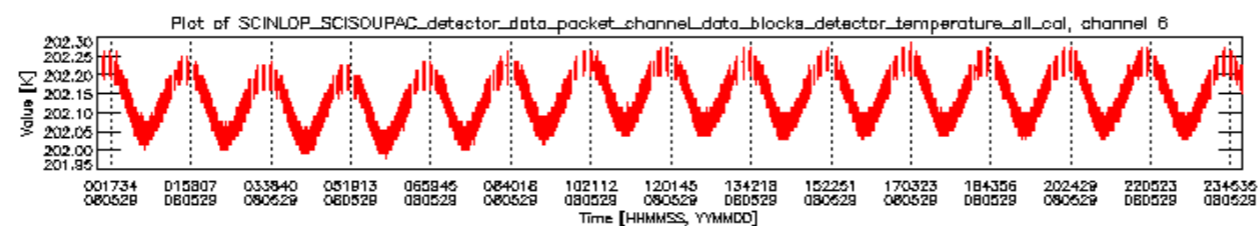
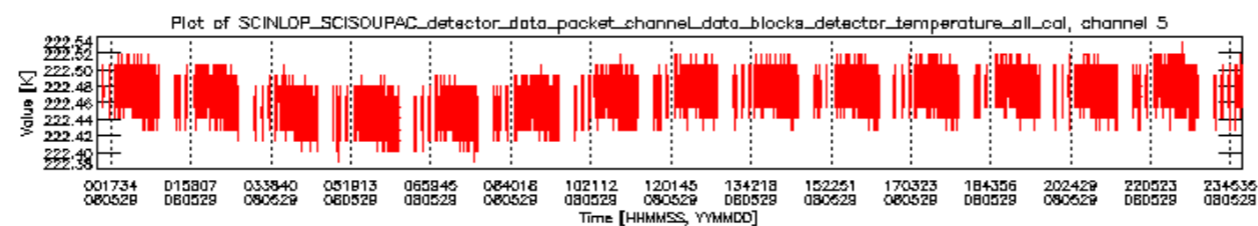
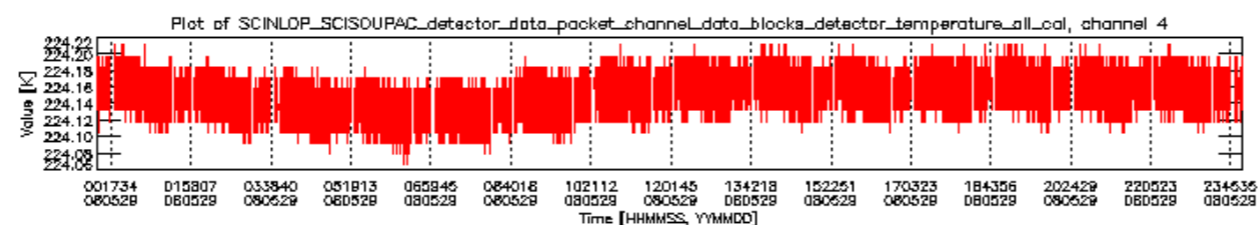
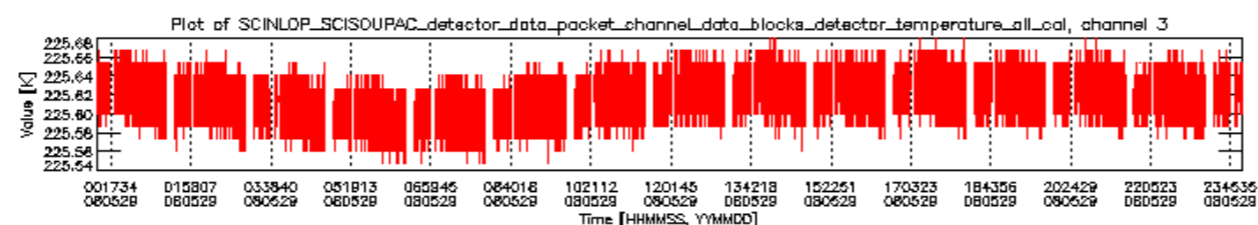
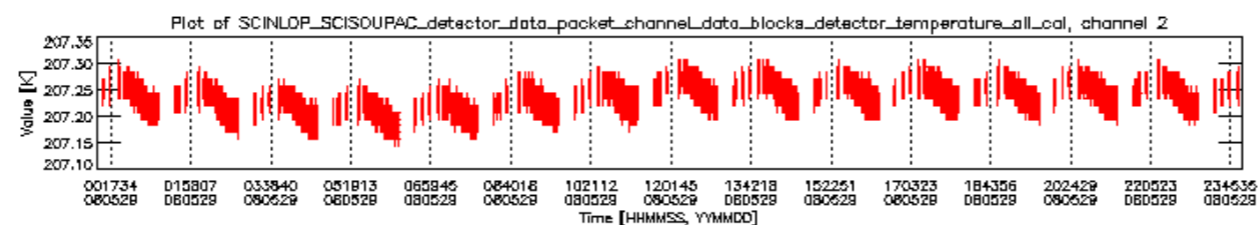
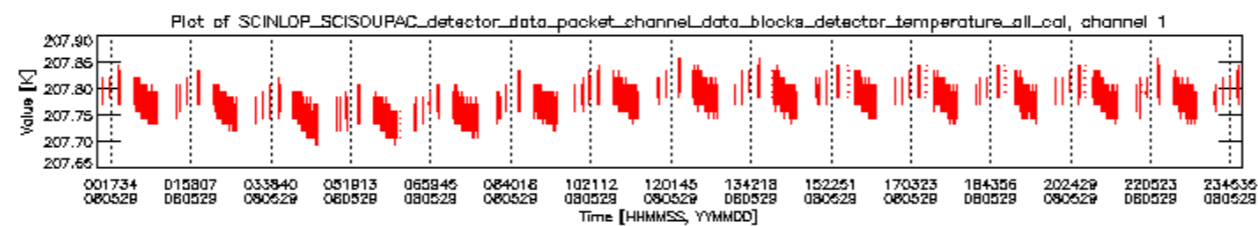
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080529_8.PNG

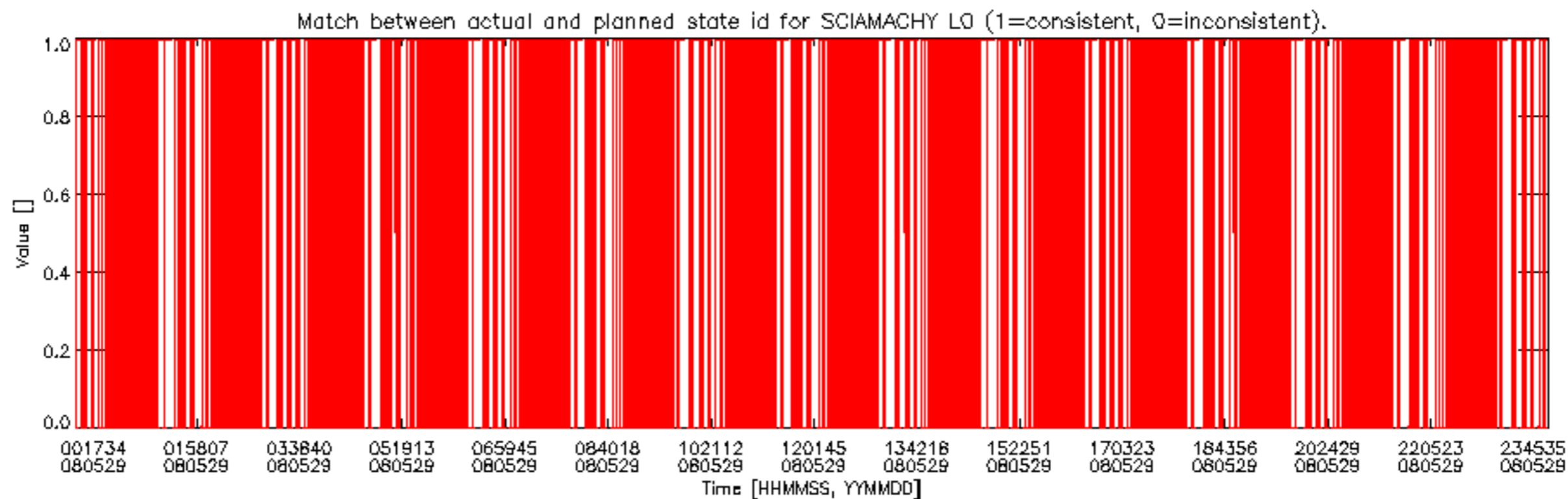
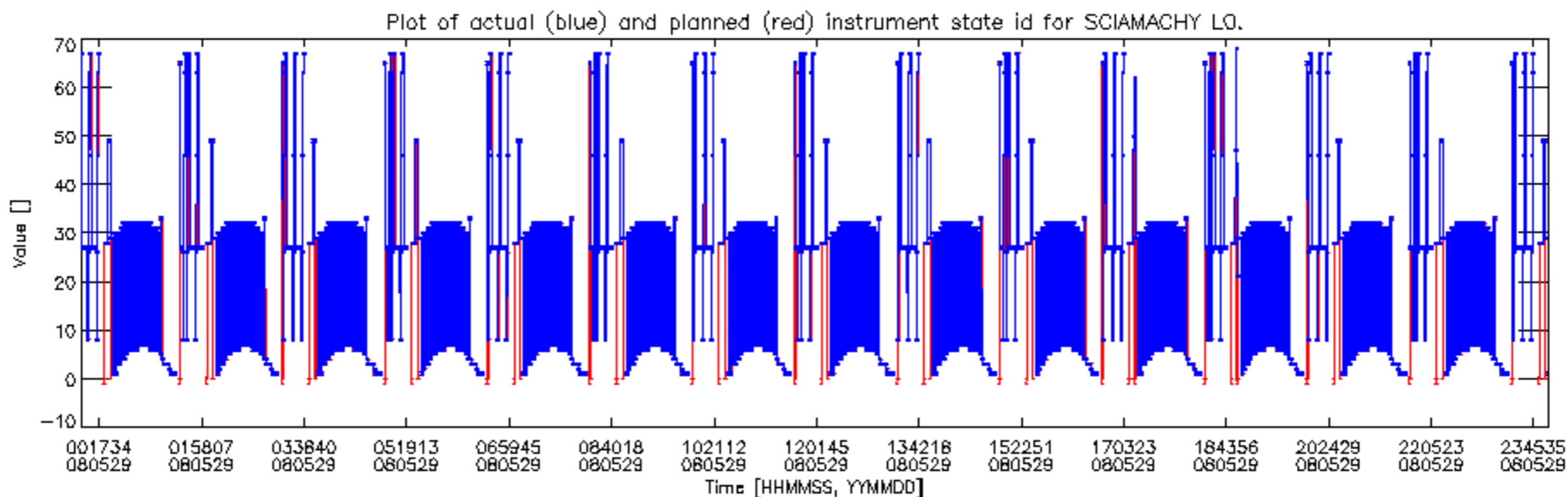




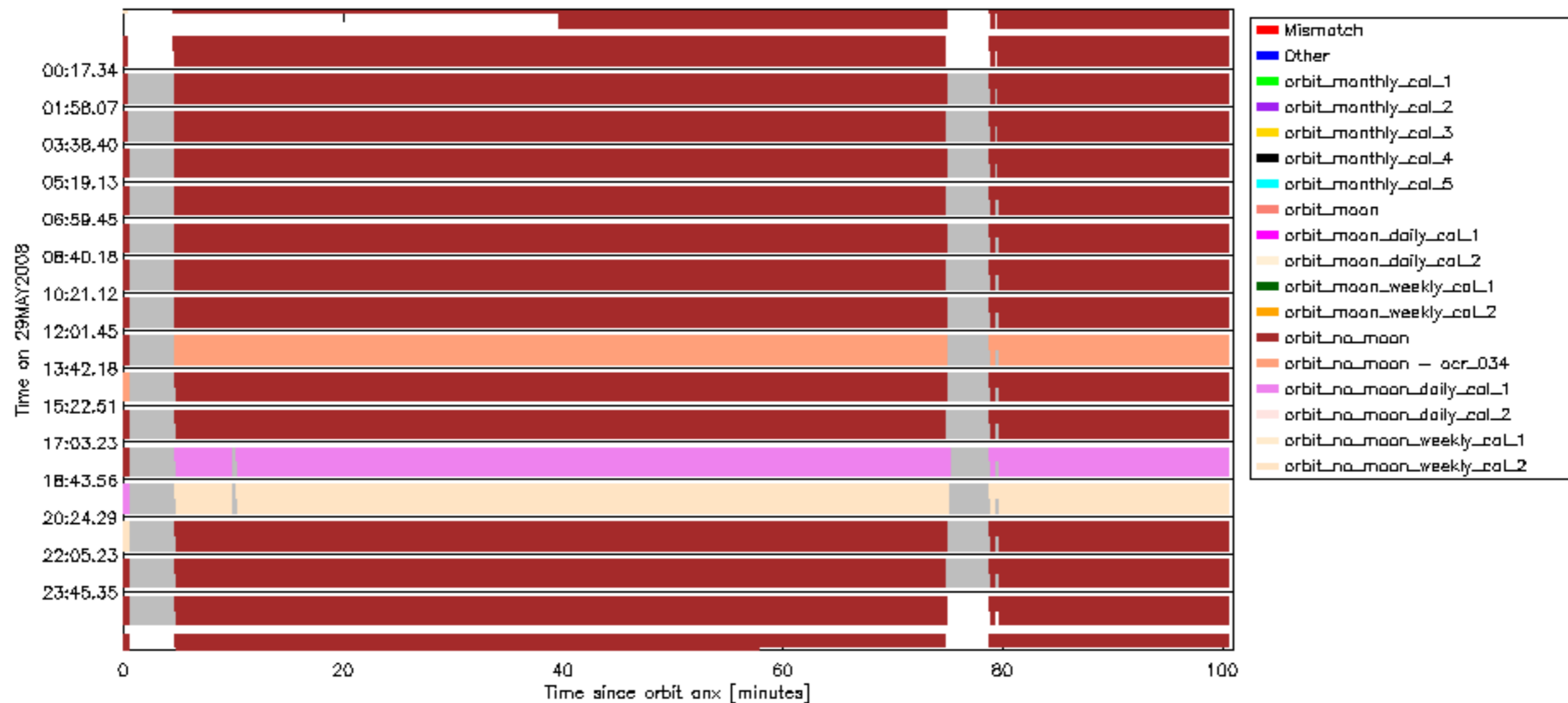


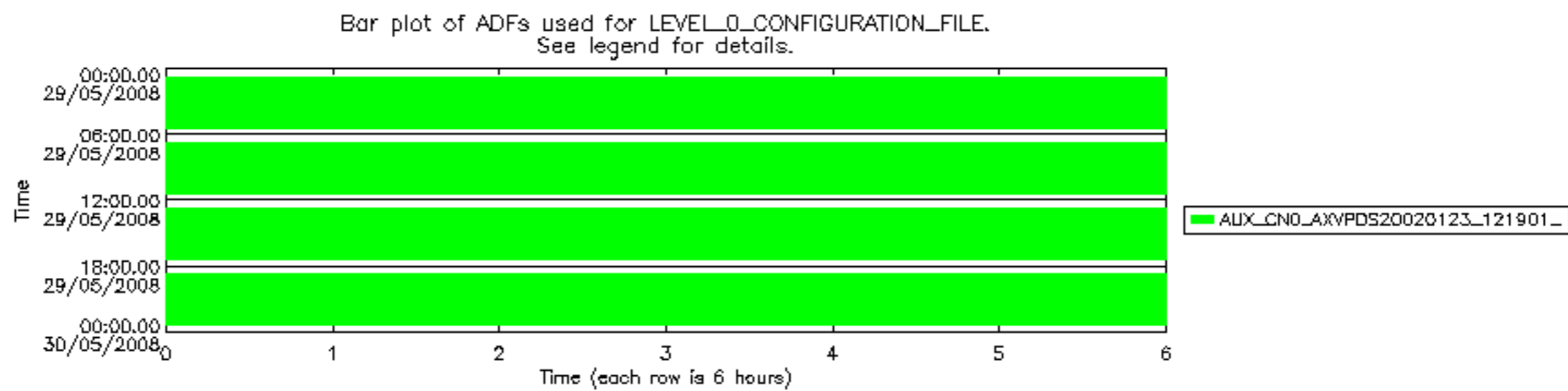






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 29MAY2008.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities 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.

