

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	v1.4 20100407
Time of report generation	22NOV2011 03:10:29
Data source version	KSPT_L0/4504-N
Processing scope for products	15NOV2011 00:00:00 to 16NOV2011 00:00:00
Start time of first product within scope	15NOV2011 00:32:15
Stop time of last product within scope	16NOV2011 01:30:35
Total number of Level 0 products	15
Number of Level 0 products with errors	1

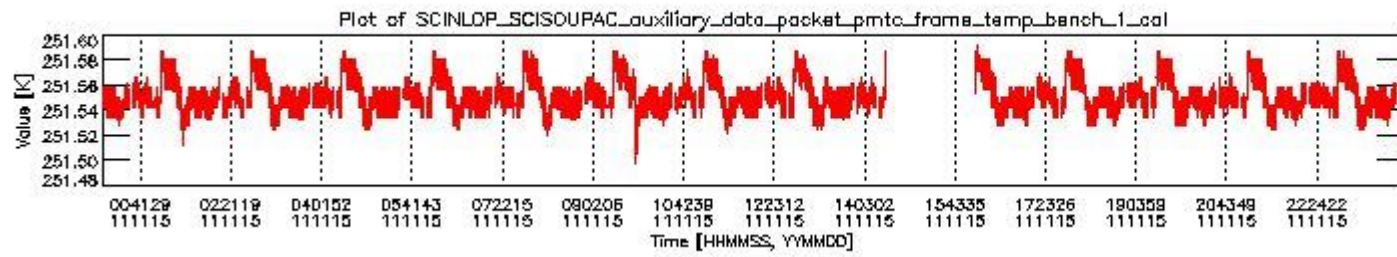
0.1.2 Summary per product

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

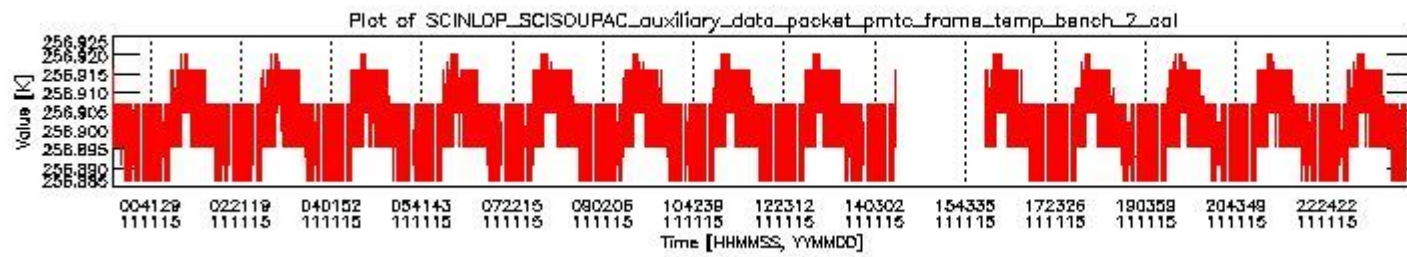
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20111115_003215_000056323108_00332_50777_4265.N1	15NOV2011 00:32:15	15NOV2011 02:06:07	0	0	0	0	0
1	SCI_NL__OPNPDE20111115_020459_000045263108_00333_50778_4266.N1	15NOV2011 02:04:59	15NOV2011 03:20:25	0	0	0	0	0
2	SCI_NL__OPNPDE20111115_031916_000061513108_00334_50779_4267.N1	15NOV2011 03:19:16	15NOV2011 05:01:48	0	0	0	0	0
3	SCI_NL__OPNPDE20111115_050148_000060703108_00335_50780_4268.N1	15NOV2011 05:01:48	15NOV2011 06:42:58	0	0	0	0	0
4	SCI_NL__OPNPDK20111115_064258_000040233108_00336_50781_6394.N1	15NOV2011 06:42:58	15NOV2011 07:50:01	0	0	0	0	0
5	SCI_NL__OPNPDK20111115_075001_000060143108_00337_50782_6395.N1	15NOV2011 07:50:01	15NOV2011 09:30:15	0	0	0	0	0
6	SCI_NL__OPNPDK20111115_092907_000061513108_00338_50783_6396.N1	15NOV2011 09:29:07	15NOV2011 11:11:38	0	0	0	0	0
7	SCI_NL__OPNPDK20111115_110934_000059463108_00339_50784_6397.N1	15NOV2011 11:09:34	15NOV2011 12:48:39	0	0	0	0	0
8	SCI_NL__OPNPDK20111115_124744_000059583108_00340_50785_6398.N1	15NOV2011 12:47:44	15NOV2011 14:27:02	0	0	0	0	0
9	SCI_NL__OPNPDK20111115_160403_000059023108_00342_50787_6400.N1	15NOV2011 16:04:03	15NOV2011 17:42:24	1	1	0	0	0
10	SCI_NL__OPNPDK20111115_174128_000059583108_00343_50788_6401.N1	15NOV2011 17:41:28	15NOV2011 19:20:47	0	0	0	0	0
11	SCI_NL__OPNPDK20111115_192047_000060143108_00344_50789_6402.N1	15NOV2011 19:20:47	15NOV2011 21:01:01	0	0	0	0	0
12	SCI_NL__OPNPDE20111115_210101_000041463108_00345_50790_4269.N1	15NOV2011 21:01:01	15NOV2011 22:10:07	0	0	0	0	0
13	SCI_NL__OPNPDE20111115_221521_000056873108_00345_50790_4270.N1	15NOV2011 22:15:21	15NOV2011 23:50:08	0	0	0	0	0
14	SCI_NL__OPNPDE20111115_235535_000057003108_00346_50791_4271.N1	15NOV2011 23:55:35	16NOV2011 01:30:35	0	0	0	0	0

0.2 Product Quality Indicators

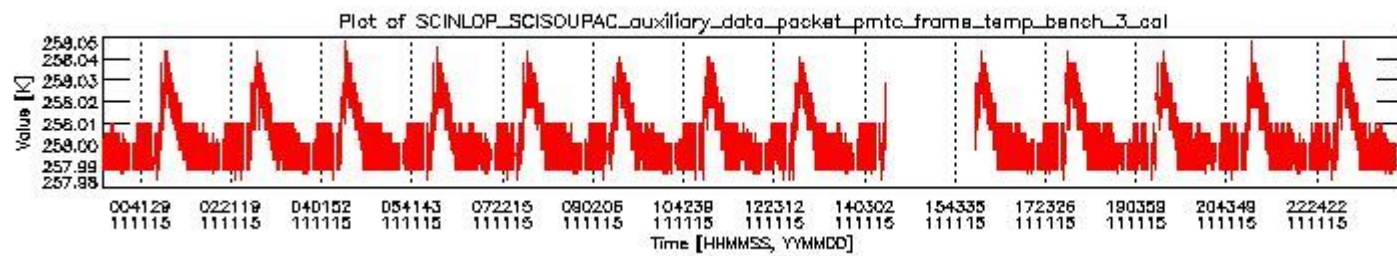
This section shows information about product quality, currently temperatures.



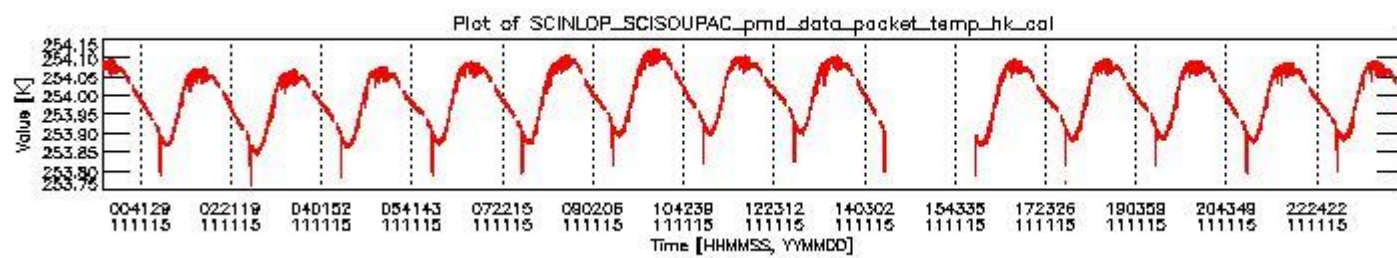
sciamachy_daily_report_level0_KSPT_L0_4504_N_20111115_0.PNG



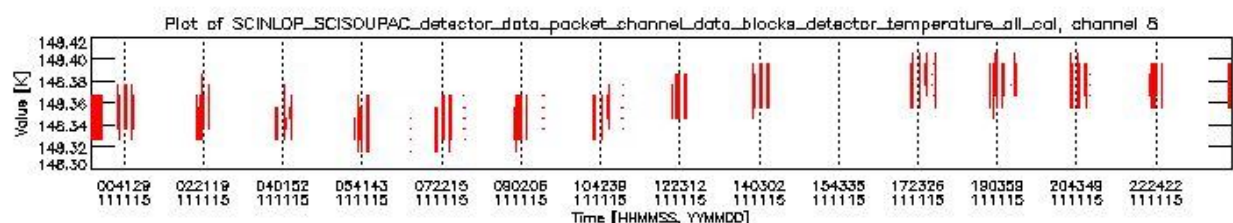
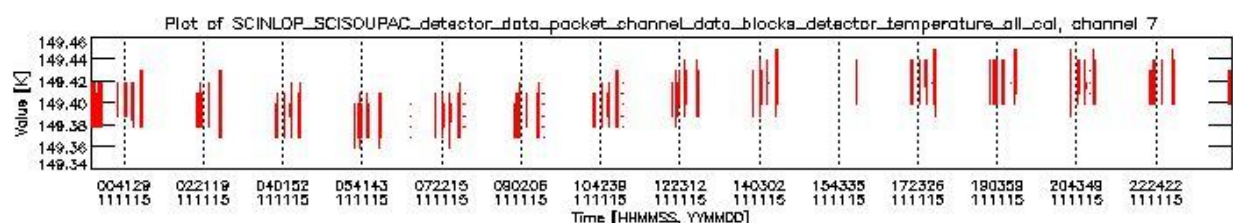
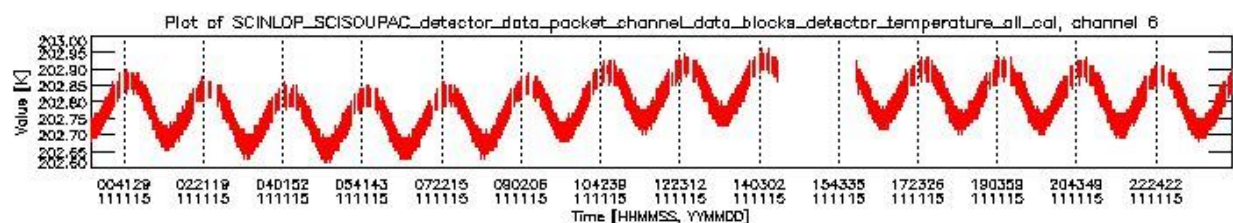
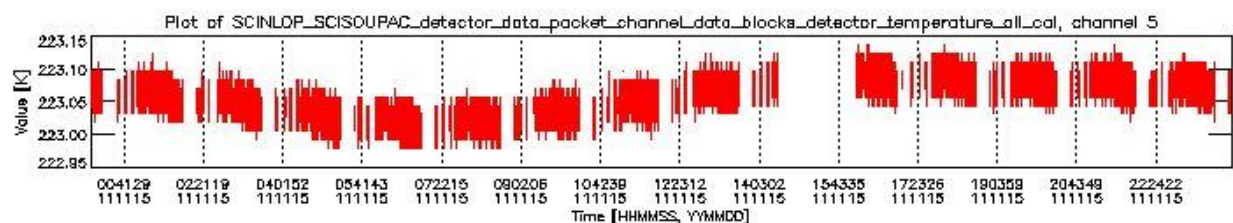
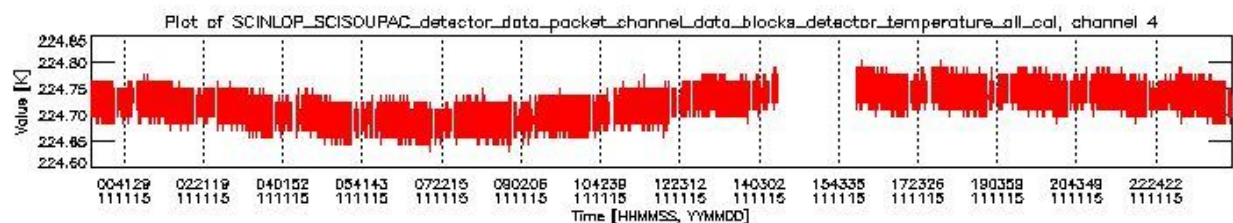
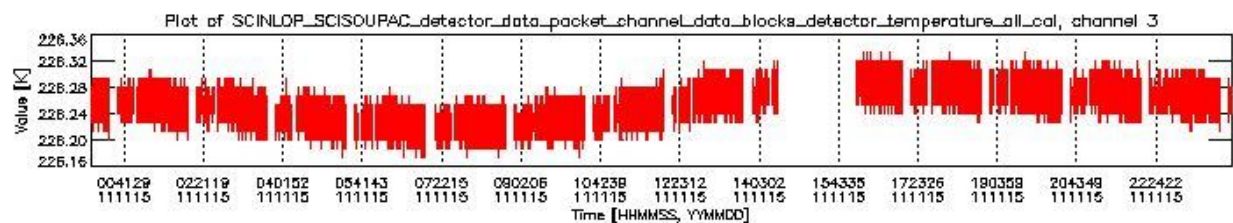
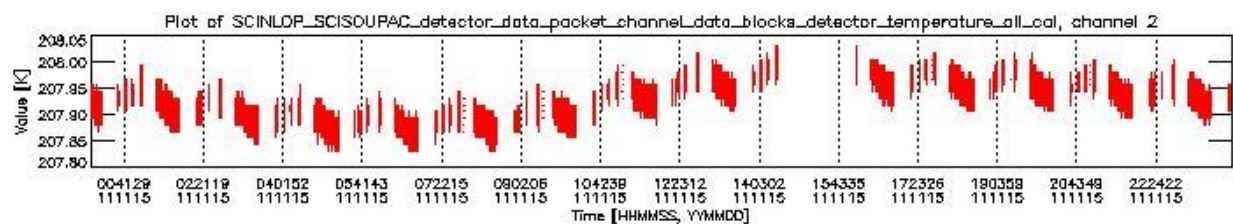
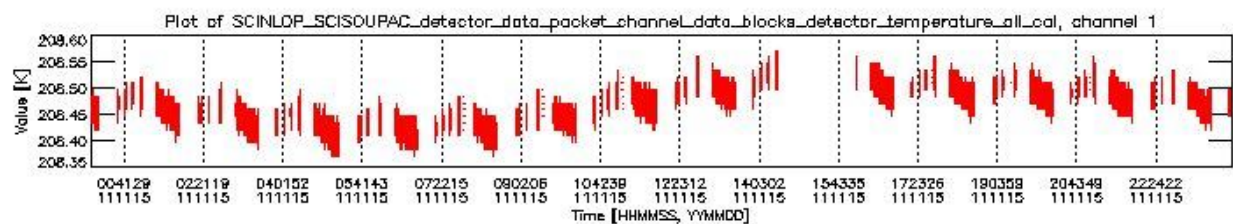
sciamachy_daily_report_level0_KSPT_L0_4504_N_20111115_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20111115_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20111115_3.PNG

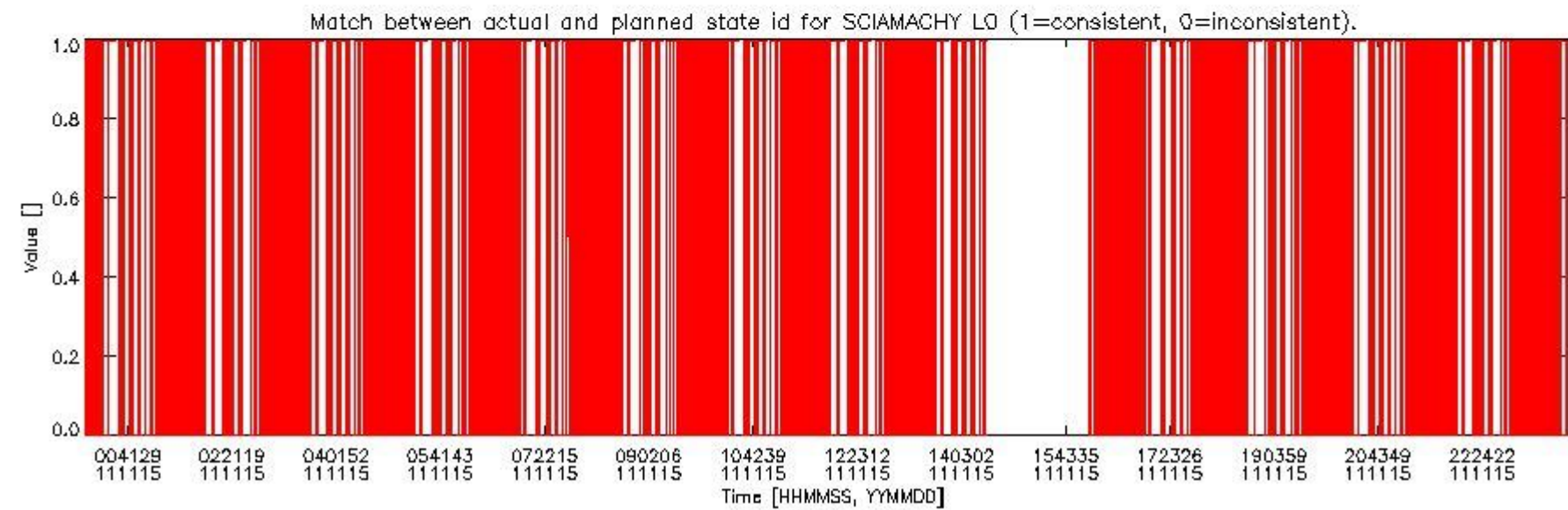
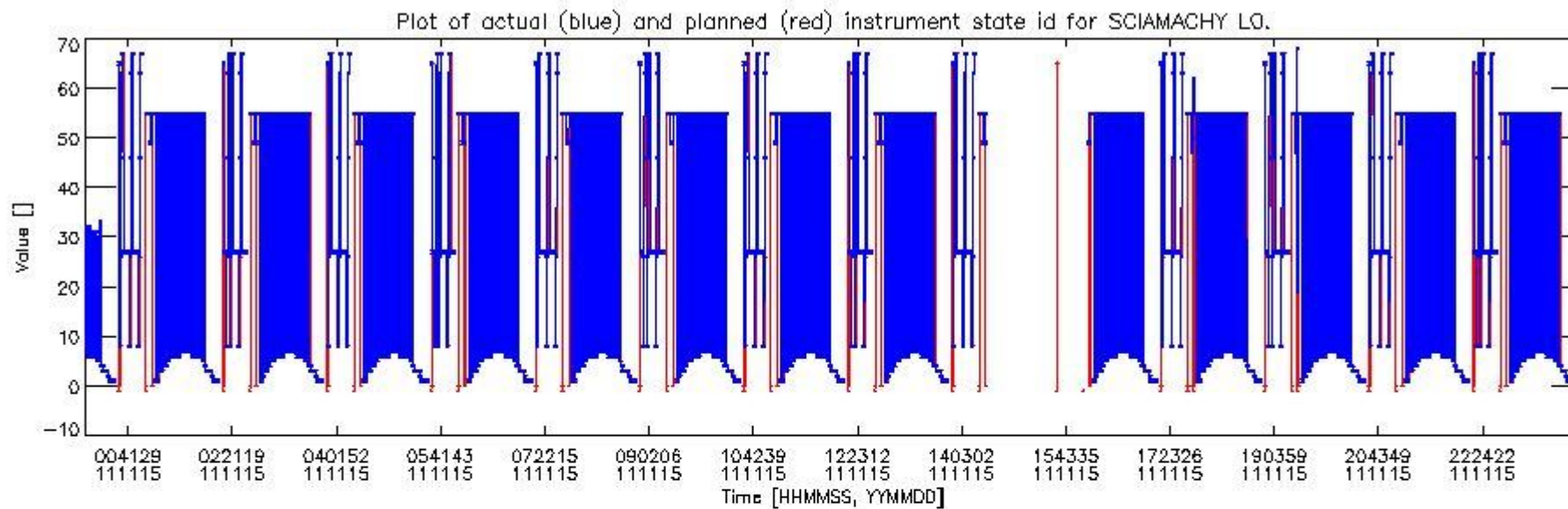


0.3 State monitoring

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: **47898**

#	Actual time	Actual value	Planned time	Planned value
0	15NOV2011 00:00:19.053890	7	15NOV2011 00:00:19.053890	32
1	15NOV2011 00:00:19.428890	7	15NOV2011 00:00:19.428890	32
2	15NOV2011 00:00:19.678890	7	15NOV2011 00:00:19.678890	32
3	15NOV2011 00:00:19.928890	7	15NOV2011 00:00:19.928890	32
4	15NOV2011 00:00:20.178890	7	15NOV2011 00:00:20.178890	32
5	15NOV2011 00:00:20.428890	7	15NOV2011 00:00:20.428890	32
6	15NOV2011 00:00:20.678890	7	15NOV2011 00:00:20.678890	32
7	15NOV2011 00:00:20.928890	7	15NOV2011 00:00:20.928890	32
8	15NOV2011 00:00:21.178890	7	15NOV2011 00:00:21.178890	32
9	15NOV2011 00:00:21.428890	7	15NOV2011 00:00:21.428890	32
10	15NOV2011 00:00:21.678890	7	15NOV2011 00:00:21.678890	32
11	15NOV2011 00:00:21.928890	7	15NOV2011 00:00:21.928890	32
12	15NOV2011 00:00:22.178890	7	15NOV2011 00:00:22.178890	32
13	15NOV2011 00:00:22.428890	7	15NOV2011 00:00:22.428890	32
14	15NOV2011 00:00:22.678890	7	15NOV2011 00:00:22.678890	32
15	15NOV2011 00:00:22.928890	7	15NOV2011 00:00:22.928890	32
16	15NOV2011 00:00:23.178890	7	15NOV2011 00:00:23.178890	32
17	15NOV2011 00:00:23.428890	7	15NOV2011 00:00:23.428890	32
18	15NOV2011 00:00:23.678890	7	15NOV2011 00:00:23.678890	32
19	15NOV2011 00:00:23.928890	7	15NOV2011 00:00:23.928890	32
...

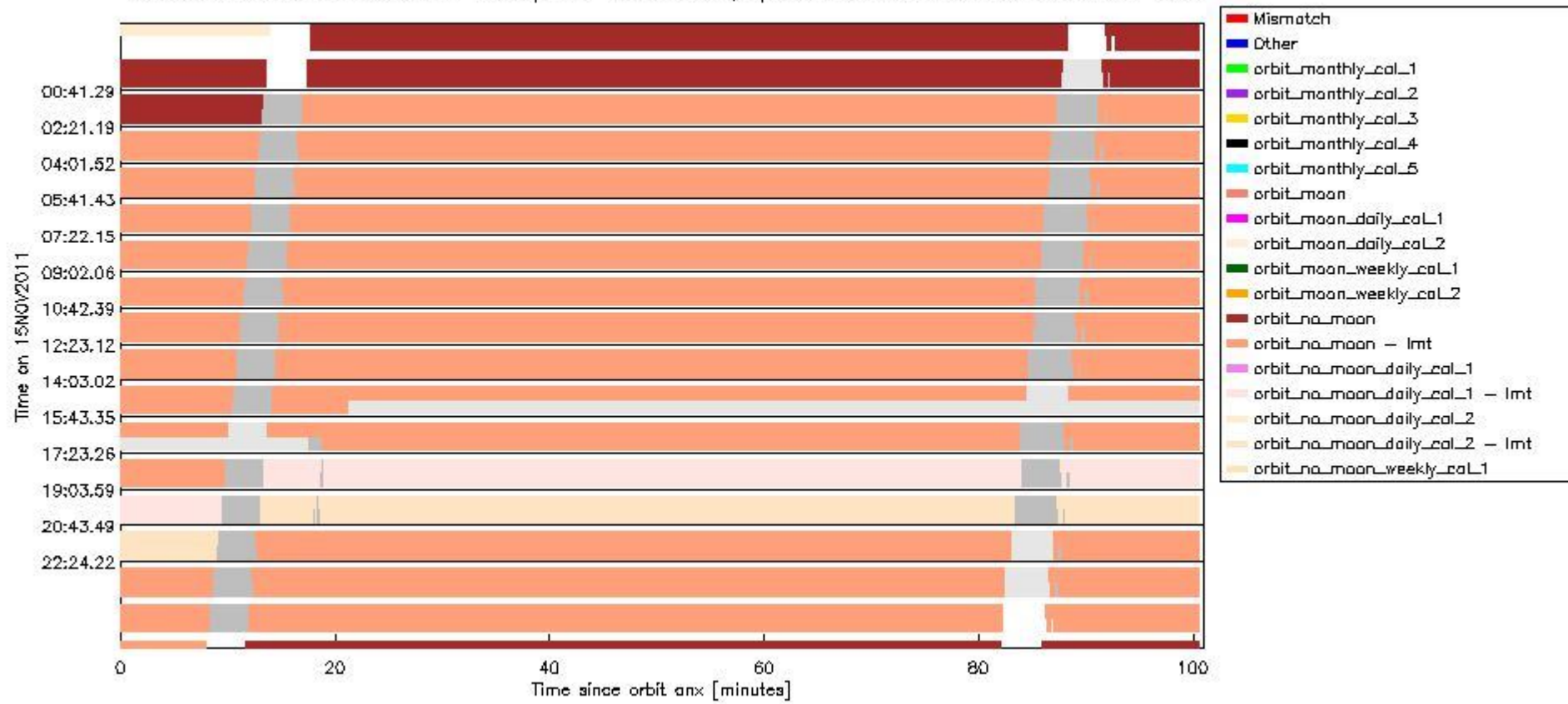


sciamachy_daily_report_level0_KSPT_L0_4504_N_20111115_5.PNG

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 15NOV2011.
 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_4504_N_20111115_6.PNG

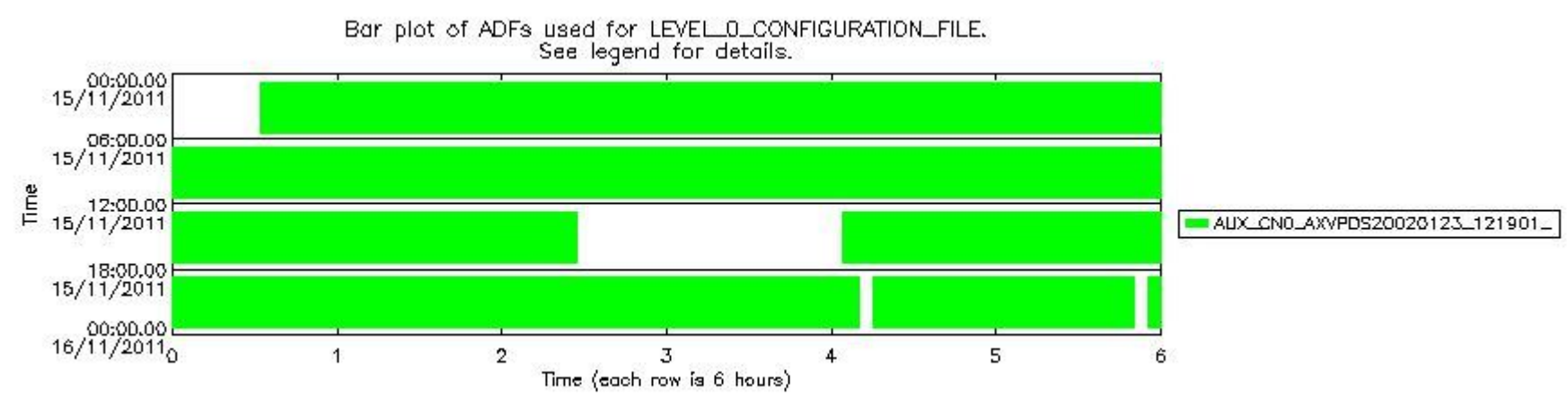
0.4 ADF monitoring

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

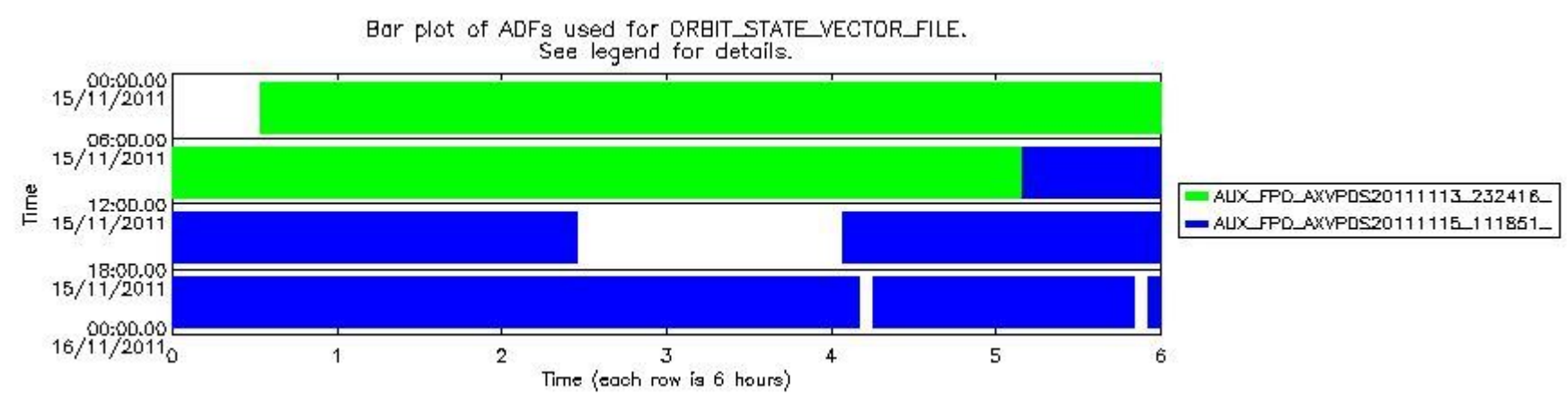
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

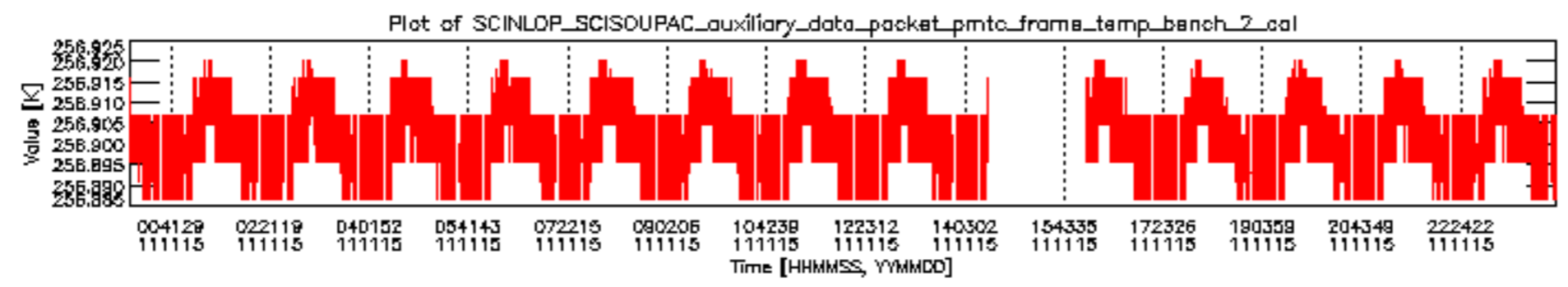
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20111113_232416_20111113_183702_20111123_205044
2	AUX_FPO_AXVPDS20111115_111851_20111114_194031_20111124_201400

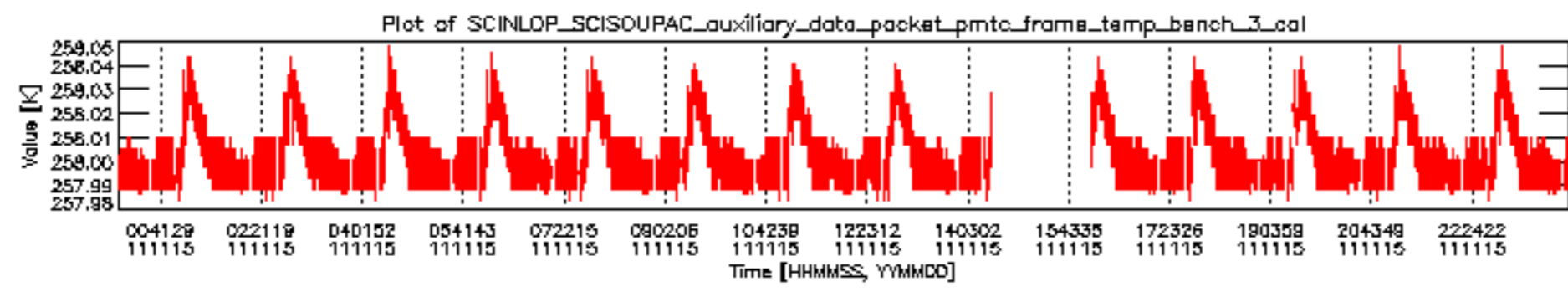


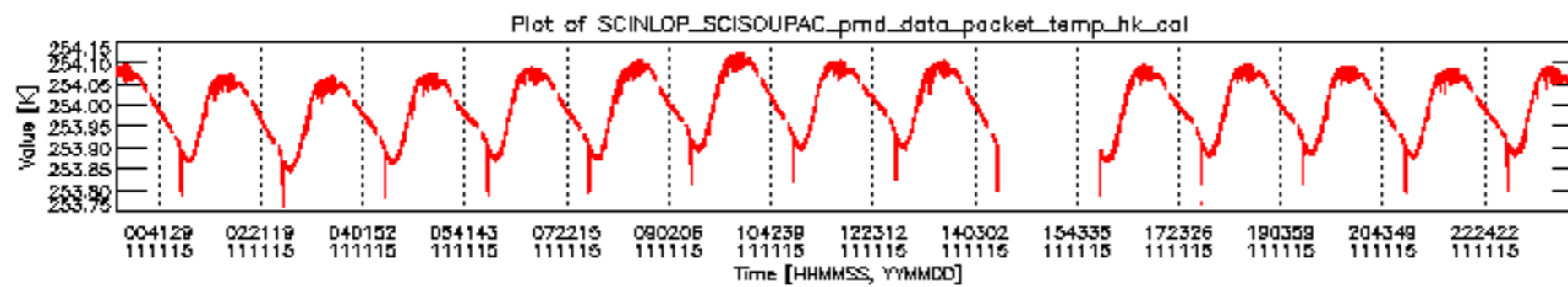
sciamachy_daily_report_level0_KSPT_L0_4504_N_20111115_7.PNG

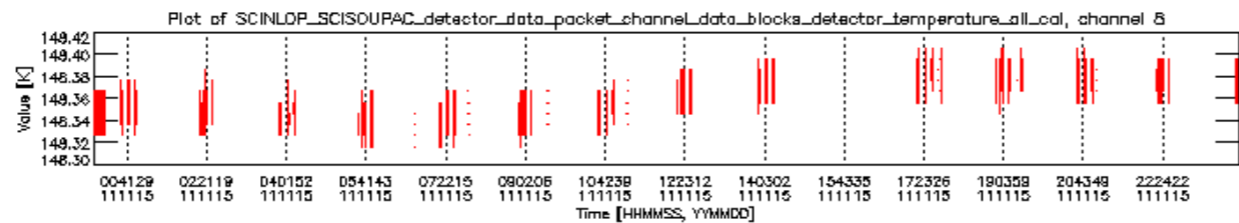
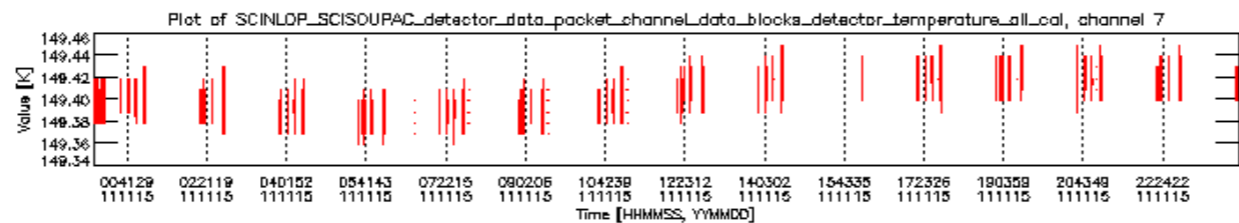
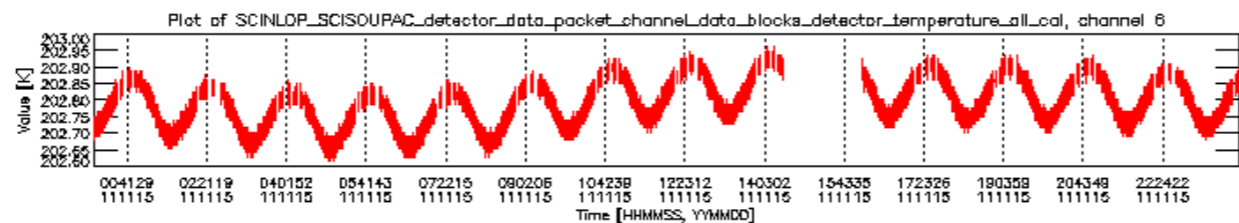
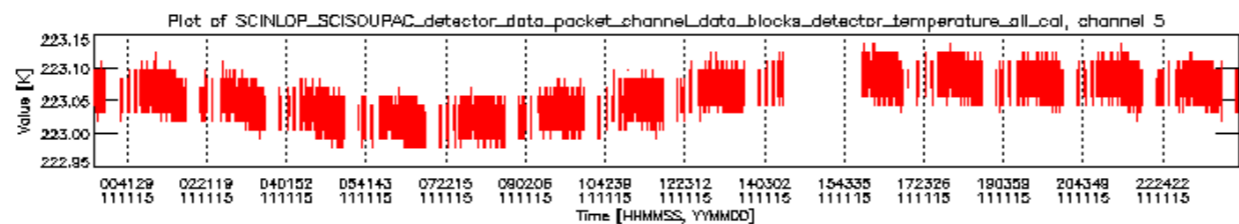
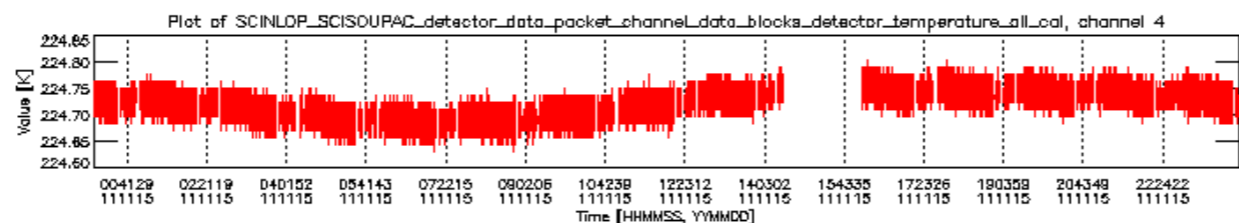
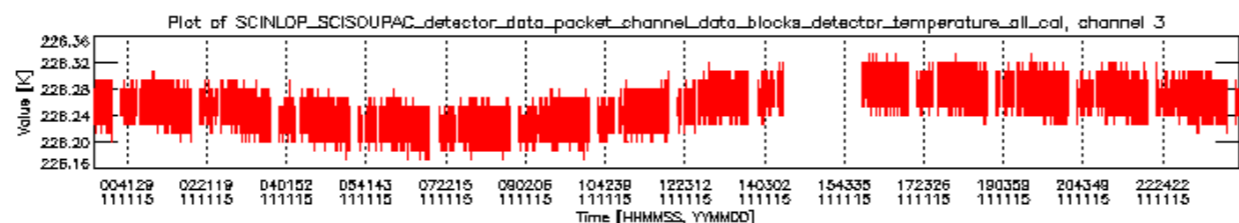
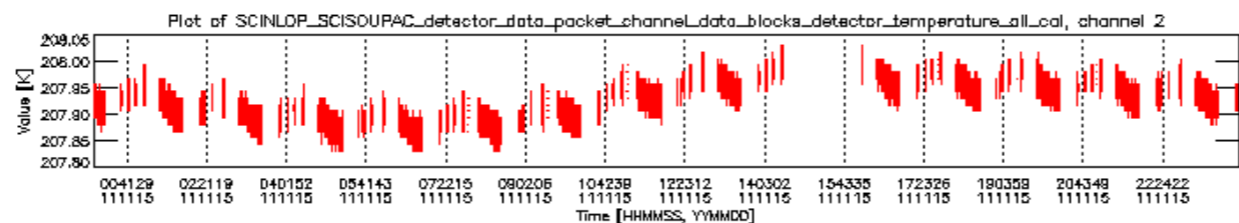
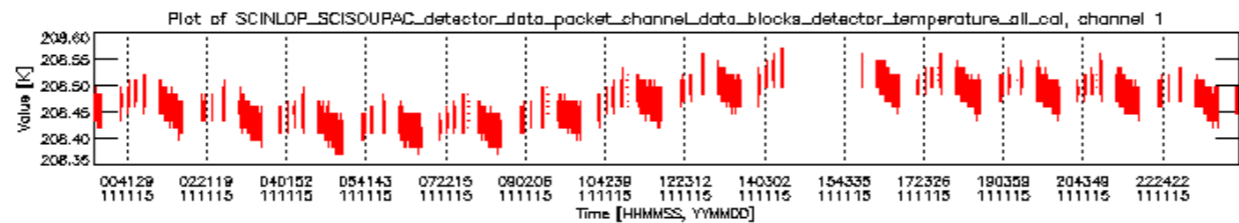


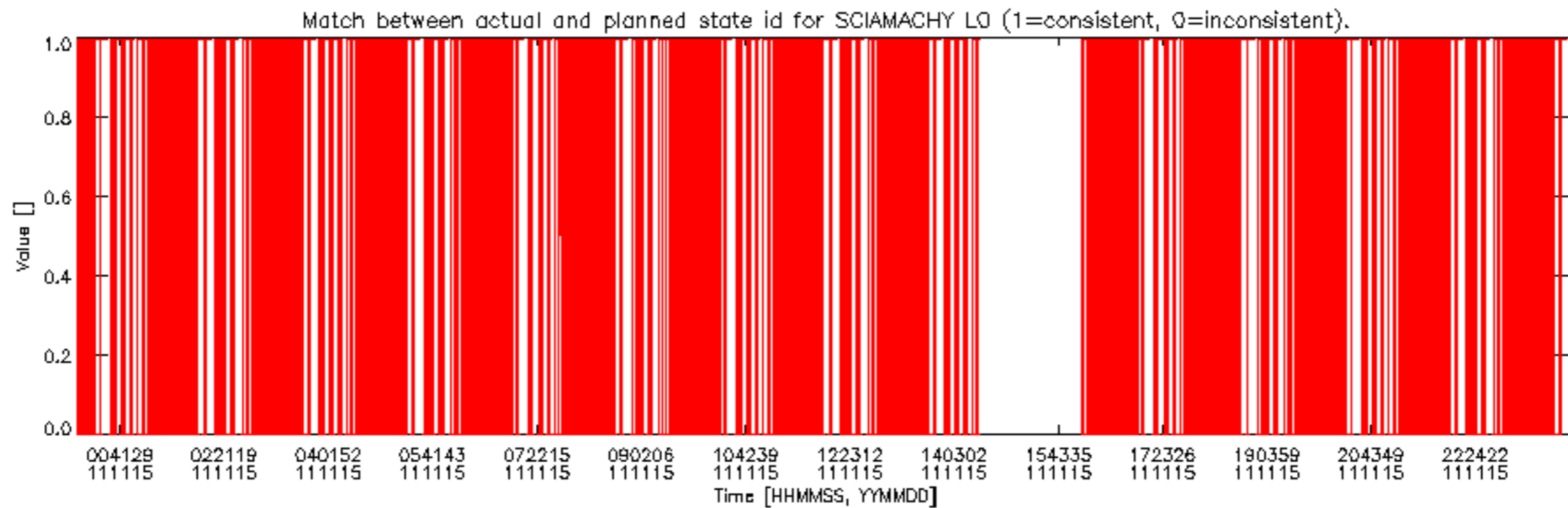
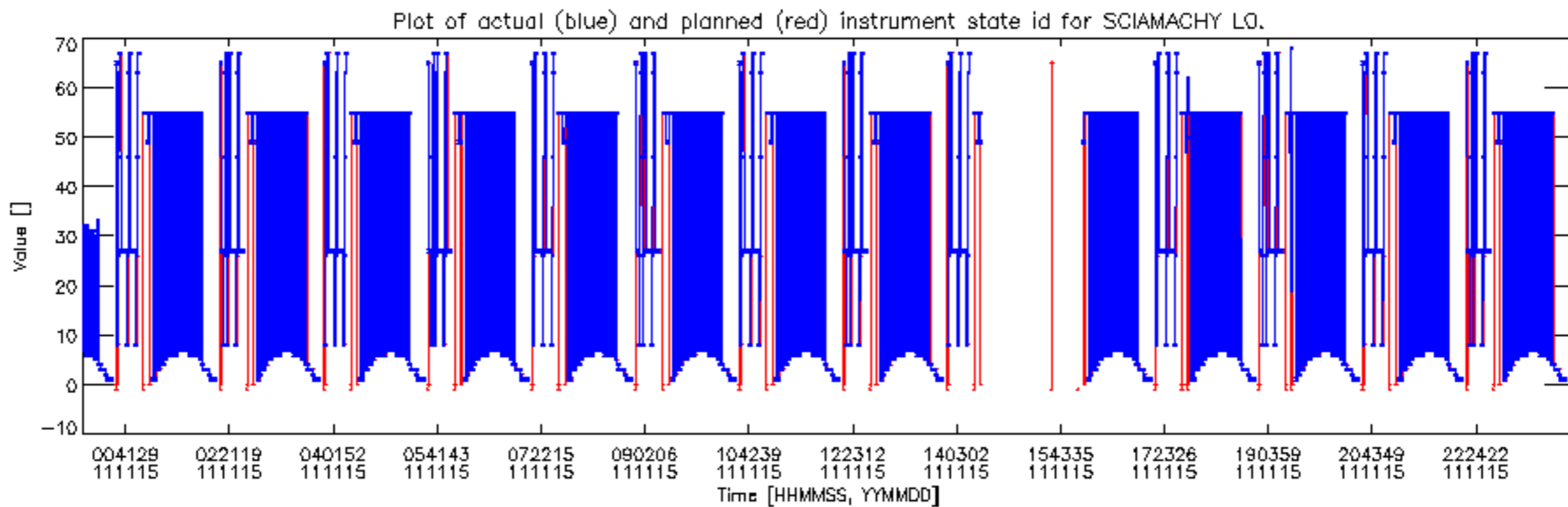
sciamachy_daily_report_level0_KSPT_L0_4504_N_20111115_8.PNG



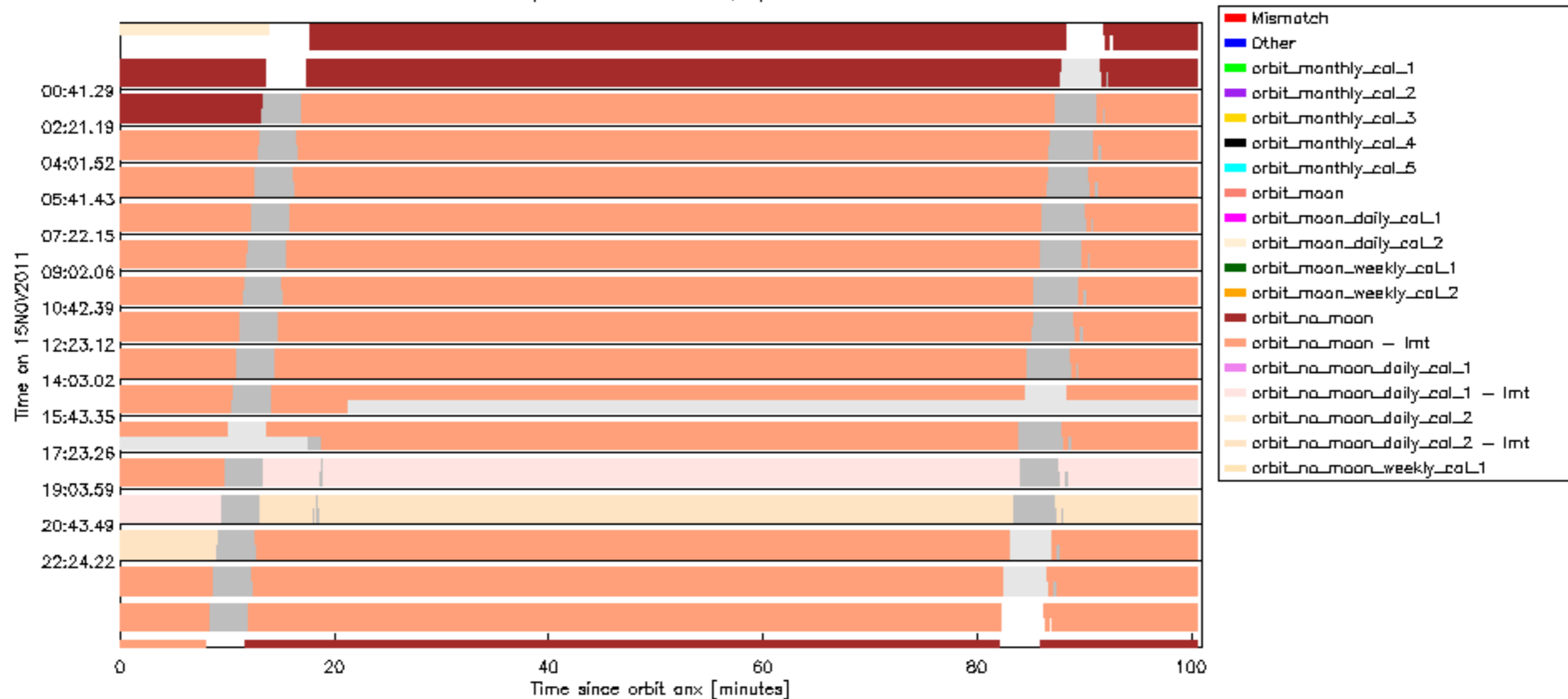


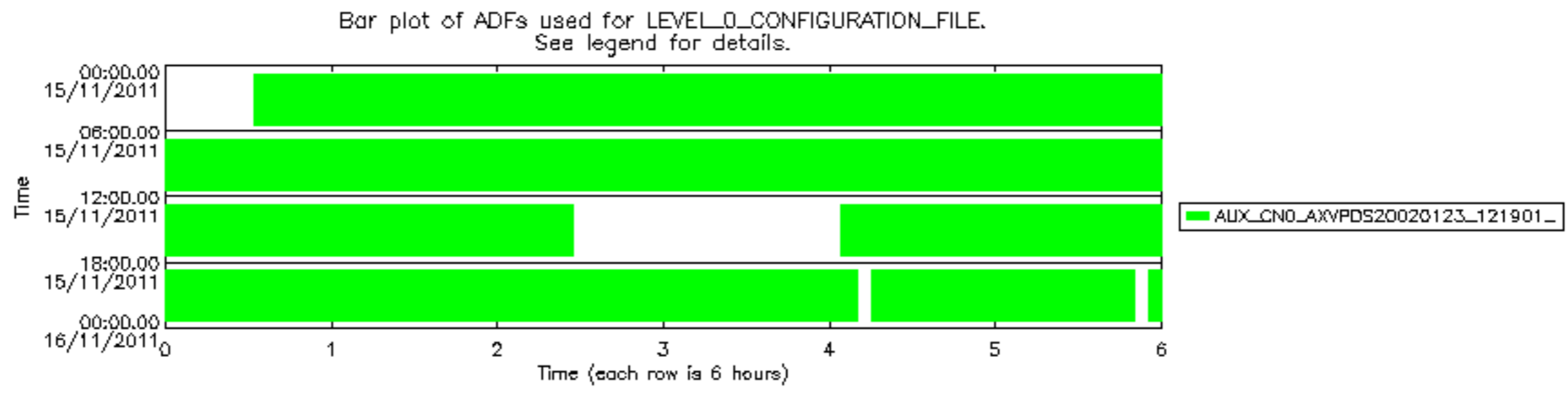






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 15NOV2011.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities 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.

