

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	03AUG2011 02:57:00
Data source version	KSPT_L0/4504-N
Processing scope for products	27JUL2011 00:00:00 to 28JUL2011 00:00:00
Start time of first product within scope	27JUL2011 01:35:47
Stop time of last product within scope	28JUL2011 01:03:31
Total number of Level 0 products	14
Number of Level 0 products with errors	1

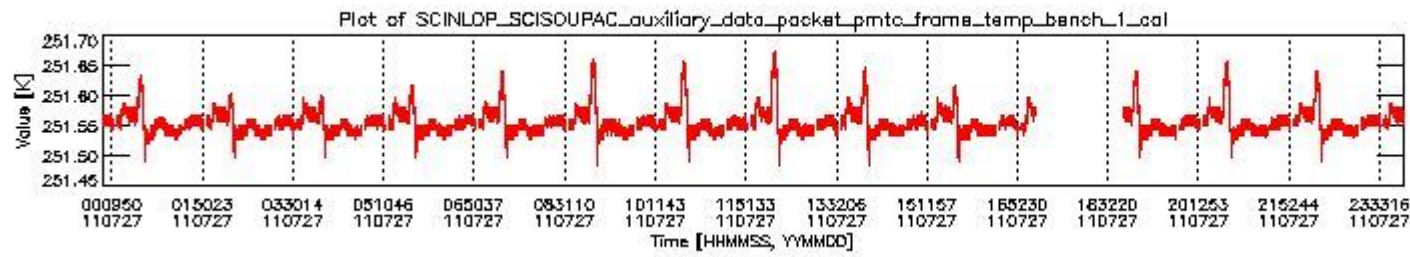
0.1.2 Summary per product

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

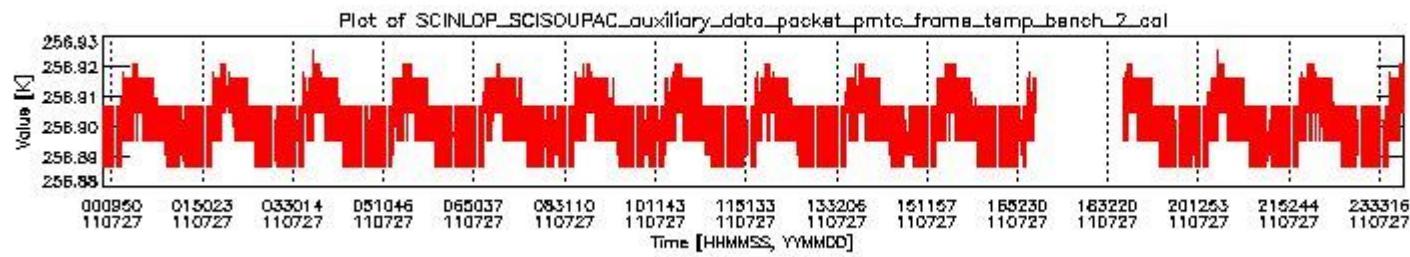
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20110727_013547_000044773105_00031_49183_6844.N1	27JUL2011 01:35:47	27JUL2011 02:50:24	0	0	0	0	0
1	SCI_NL__OPNPDE20110727_024916_000061373105_00032_49184_6845.N1	27JUL2011 02:49:16	27JUL2011 04:31:33	0	0	0	0	0
2	SCI_NL__OPNPDE20110727_043024_000060833105_00033_49185_6846.N1	27JUL2011 04:30:24	27JUL2011 06:11:47	0	0	0	0	0
3	SCI_NL__OPNPDK20110727_061147_000040503105_00034_49186_5261.N1	27JUL2011 06:11:47	27JUL2011 07:19:17	1	1	0	0	0
4	SCI_NL__OPNPDK20110727_071809_000061513105_00035_49187_5262.N1	27JUL2011 07:18:09	27JUL2011 09:00:40	0	0	0	0	0
5	SCI_NL__OPNPDK20110727_090040_000059463105_00036_49188_5263.N1	27JUL2011 09:00:40	27JUL2011 10:39:46	0	0	0	0	0
6	SCI_NL__OPNPDK20110727_103946_000058913105_00037_49189_5264.N1	27JUL2011 10:39:46	27JUL2011 12:17:57	0	0	0	0	0
7	SCI_NL__OPNPDK20110727_121757_000059463105_00038_49190_5265.N1	27JUL2011 12:17:57	27JUL2011 13:57:03	0	0	0	0	0
8	SCI_NL__OPNPDK20110727_135609_000058913105_00039_49191_5266.N1	27JUL2011 13:56:09	27JUL2011 15:34:20	0	0	0	0	0
9	SCI_NL__OPNPDK20110727_153420_000058233105_00040_49192_5267.N1	27JUL2011 15:34:20	27JUL2011 17:11:23	0	0	0	0	0
10	SCI_NL__OPNPDK20110727_184930_000059753105_00042_49194_5269.N1	27JUL2011 18:49:30	27JUL2011 20:29:06	0	0	0	0	0
11	SCI_NL__OPNPDE20110727_202757_000043733105_00043_49195_6847.N1	27JUL2011 20:27:57	27JUL2011 21:40:50	0	0	0	0	0
12	SCI_NL__OPNPDE20110727_213922_000061783105_00043_49195_6848.N1	27JUL2011 21:39:22	27JUL2011 23:22:20	0	0	0	0	0
13	SCI_NL__OPNPDE20110727_232057_000061543105_00044_49196_6849.N1	27JUL2011 23:20:57	28JUL2011 01:03:31	0	0	0	0	0

0.2 Product Quality Indicators

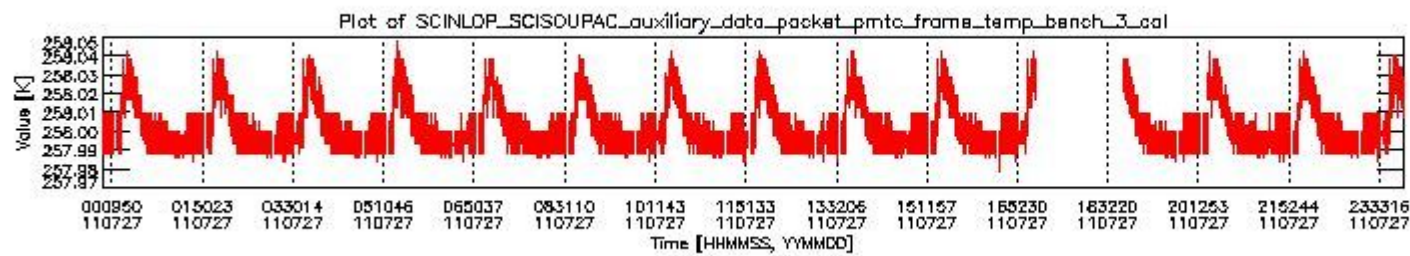
This section shows information about product quality, currently temperatures.



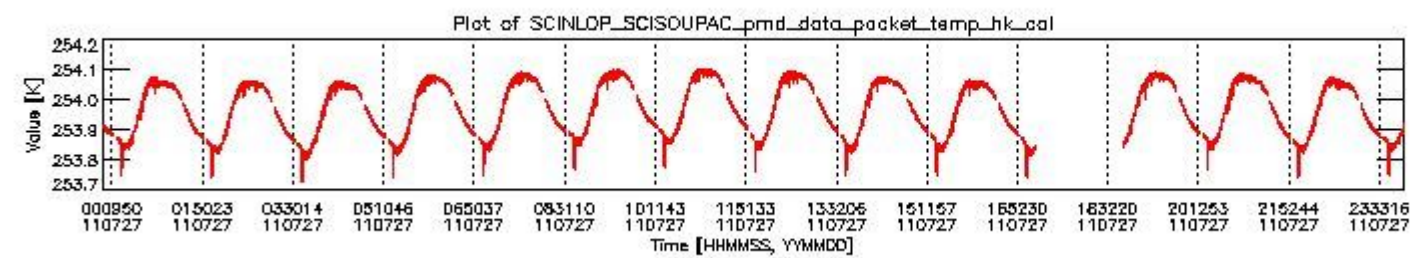
sciamachy_daily_report_level0_KSPT_L0_4504_N_20110727_0.PNG



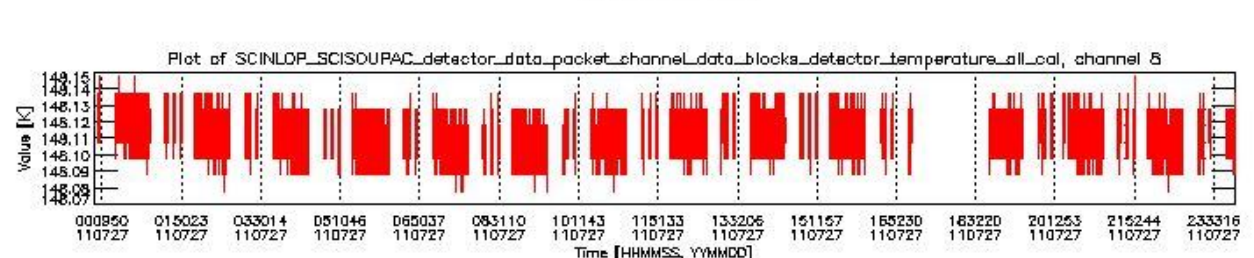
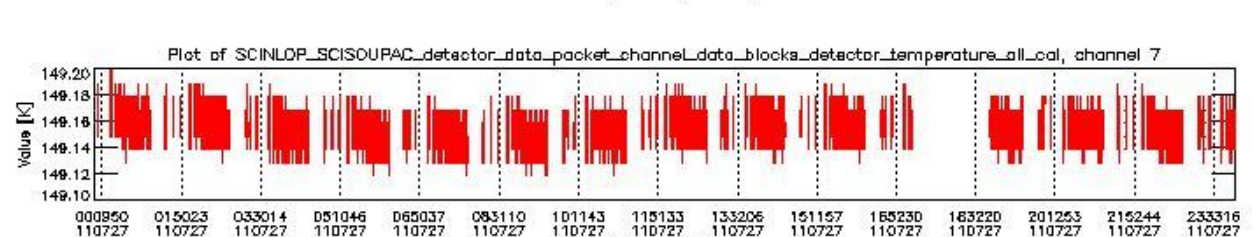
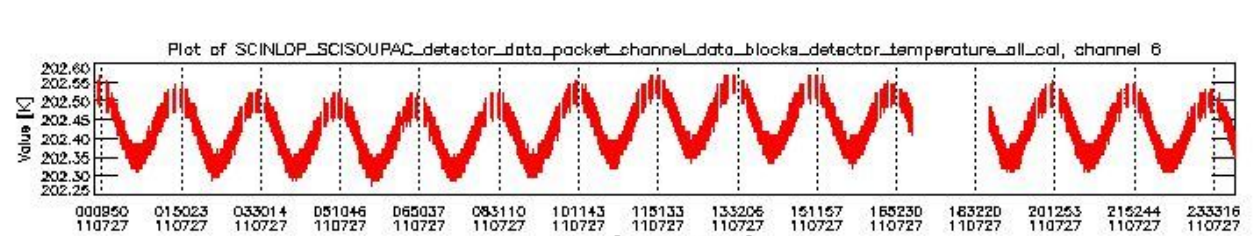
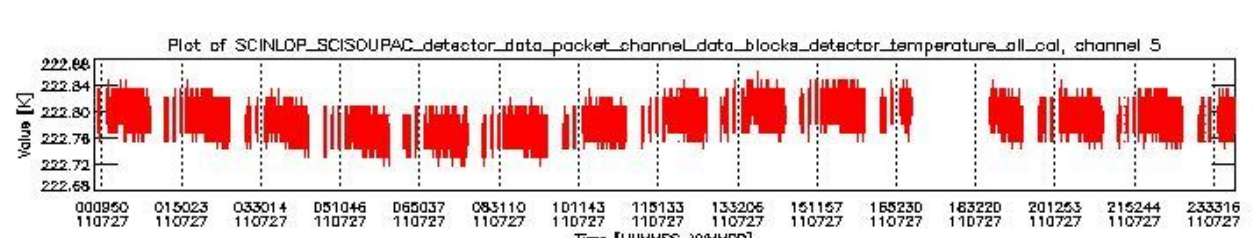
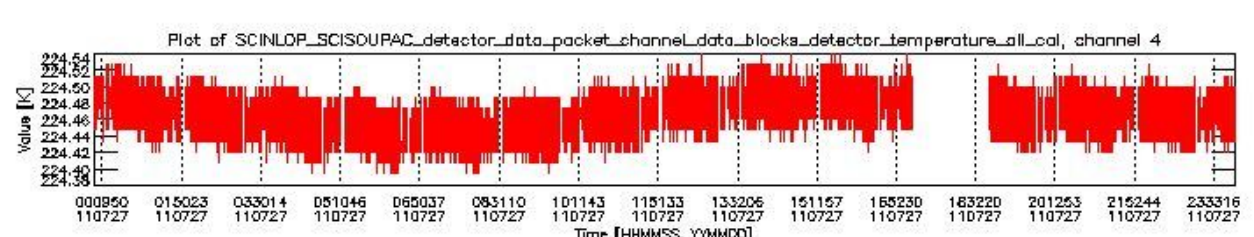
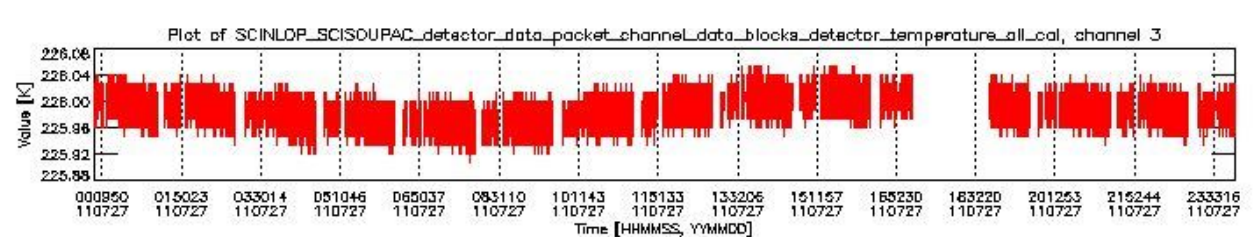
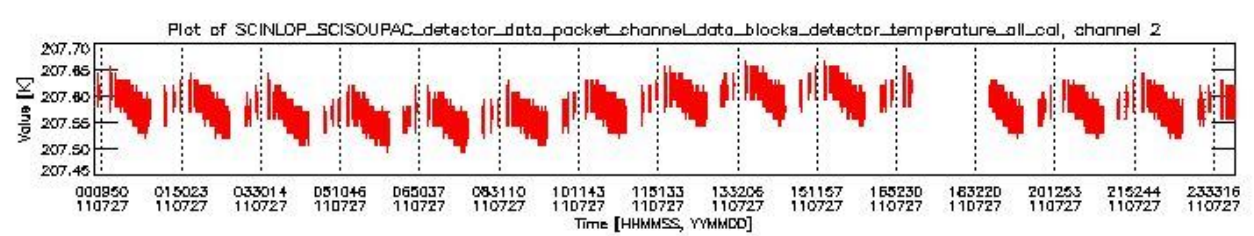
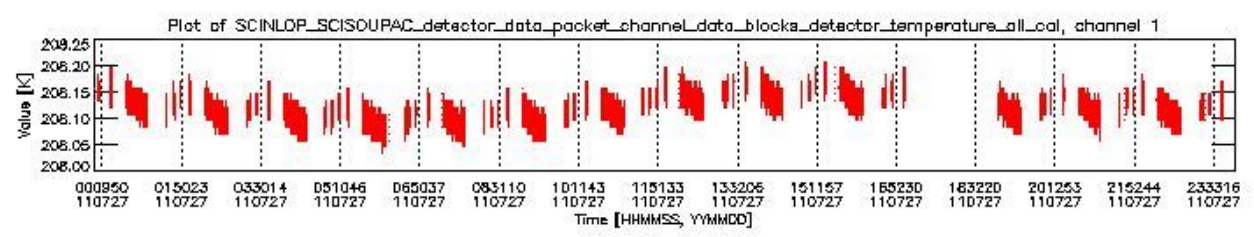
sciamachy_daily_report_level0_KSPT_L0_4504_N_20110727_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20110727_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20110727_3.PNG

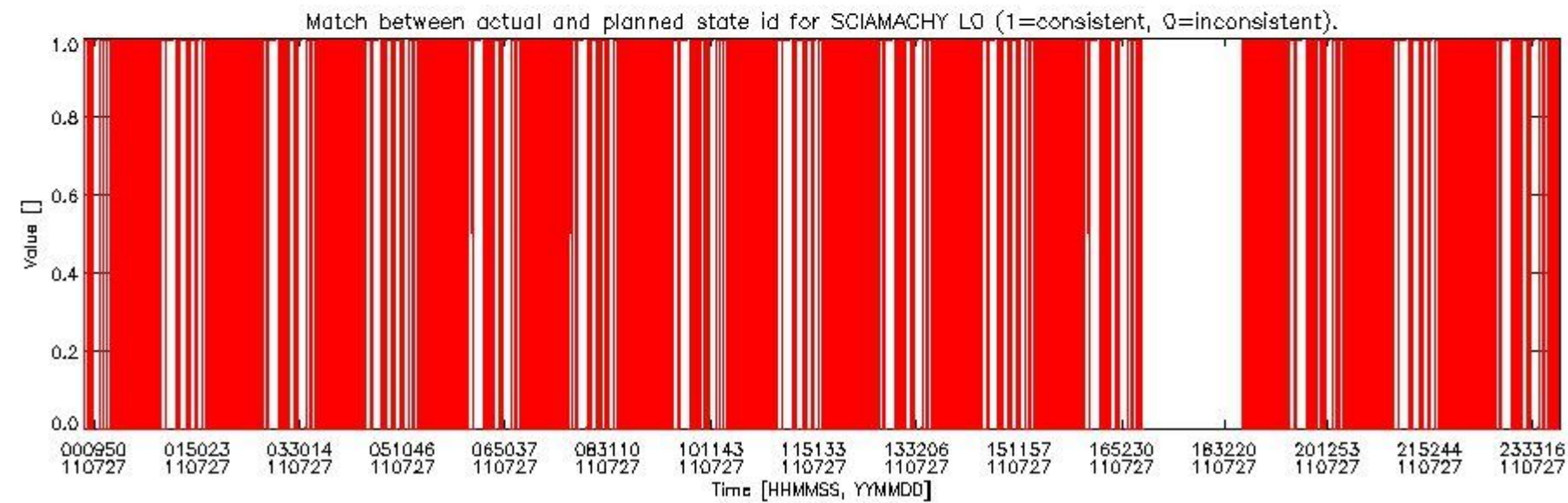
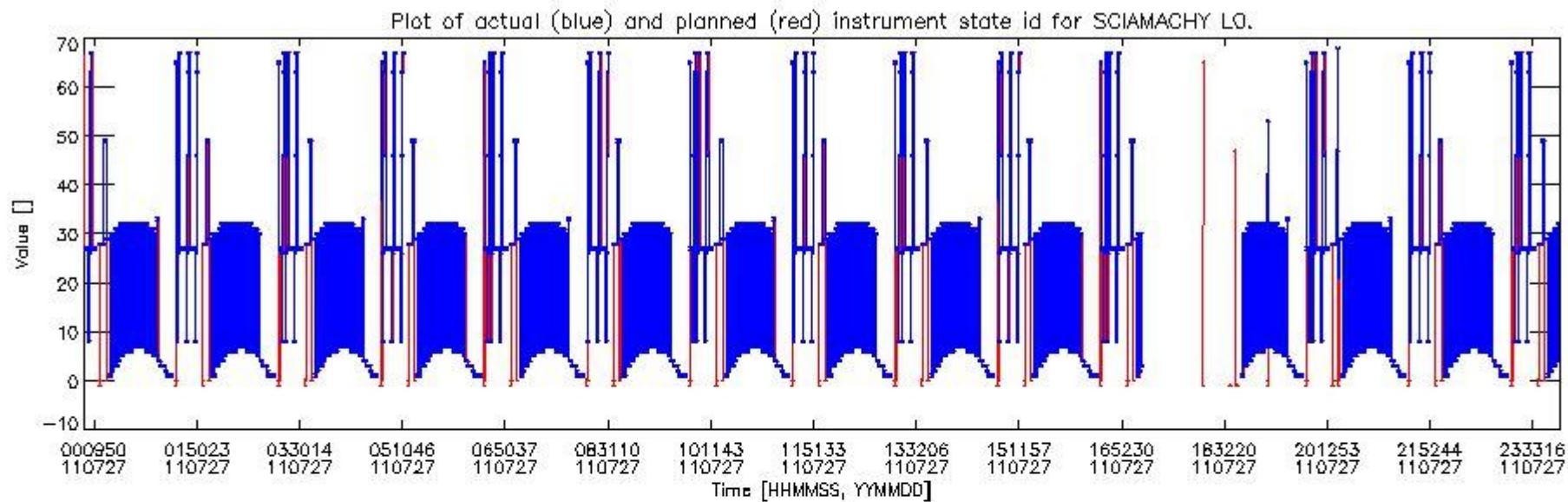


0.3 State monitoring

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: **67493**

#	Actual time	Actual value	Planned time	Planned value
0	27JUL2011 00:04:09.236553	8	27JUL2011 00:04:09.236553	27
1	27JUL2011 00:04:09.861553	8	27JUL2011 00:04:09.861553	27
2	27JUL2011 00:04:10.361553	8	27JUL2011 00:04:10.361553	27
3	27JUL2011 00:04:10.861553	8	27JUL2011 00:04:10.861553	27
4	27JUL2011 00:04:11.361553	8	27JUL2011 00:04:11.361553	27
5	27JUL2011 00:04:11.861553	8	27JUL2011 00:04:11.861553	27
6	27JUL2011 00:04:12.361553	8	27JUL2011 00:04:12.361553	27
7	27JUL2011 00:04:12.861553	8	27JUL2011 00:04:12.861553	27
8	27JUL2011 00:04:13.361553	8	27JUL2011 00:04:13.361553	27
9	27JUL2011 00:04:13.861553	8	27JUL2011 00:04:13.861553	27
10	27JUL2011 00:04:14.236553	8	27JUL2011 00:04:14.236553	27
11	27JUL2011 00:04:14.361553	8	27JUL2011 00:04:14.361553	27
12	27JUL2011 00:04:14.861553	8	27JUL2011 00:04:14.861553	27
13	27JUL2011 00:04:15.361553	8	27JUL2011 00:04:15.361553	27
14	27JUL2011 00:04:15.861553	8	27JUL2011 00:04:15.861553	27
15	27JUL2011 00:04:16.361553	8	27JUL2011 00:04:16.361553	27
16	27JUL2011 00:04:16.861553	8	27JUL2011 00:04:16.861553	27
17	27JUL2011 00:04:17.361553	8	27JUL2011 00:04:17.361553	27
18	27JUL2011 00:04:17.861553	8	27JUL2011 00:04:17.861553	27
19	27JUL2011 00:04:18.361553	8	27JUL2011 00:04:18.361553	27

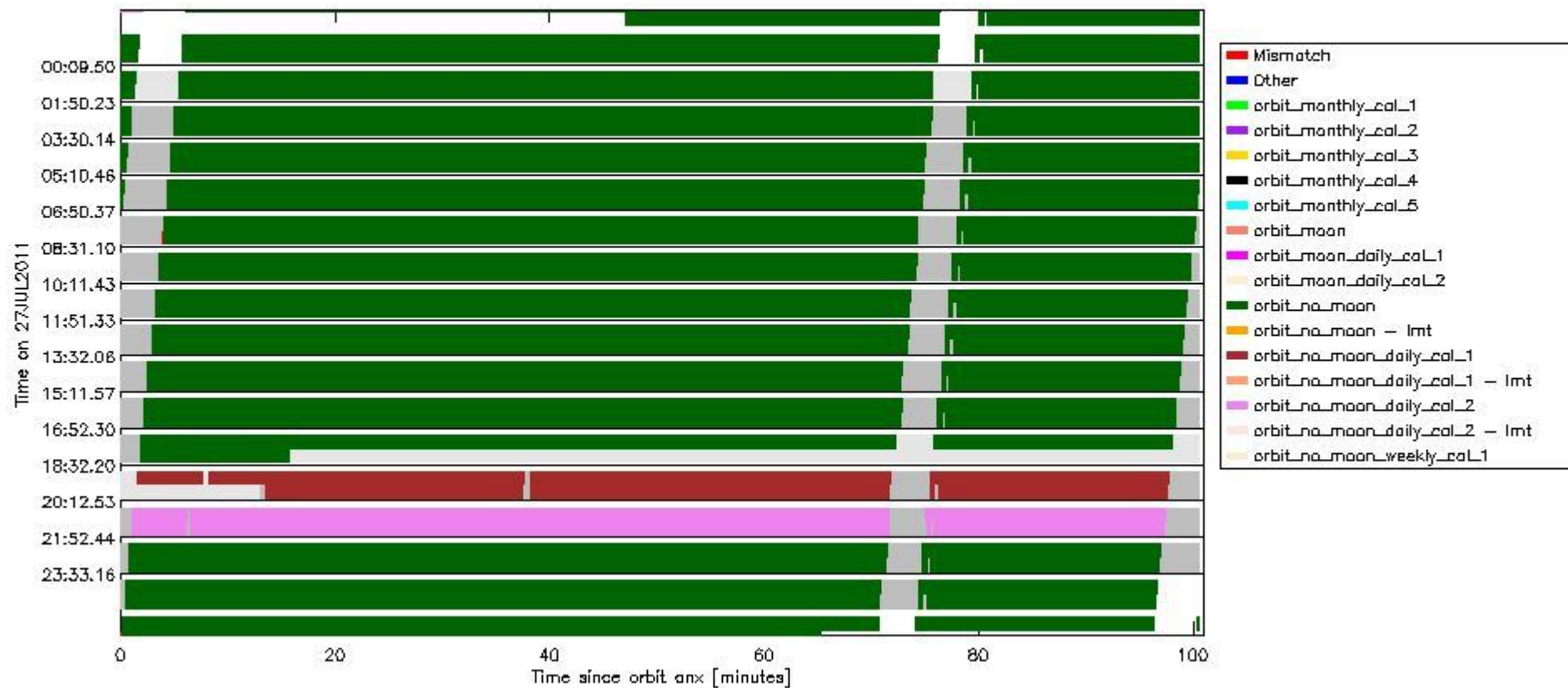


sciamachy_daily_report_level0_KSPT_L0_4504_N_20110727_5.PNG

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 27JUL2011.
 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_20110727_6.PNG

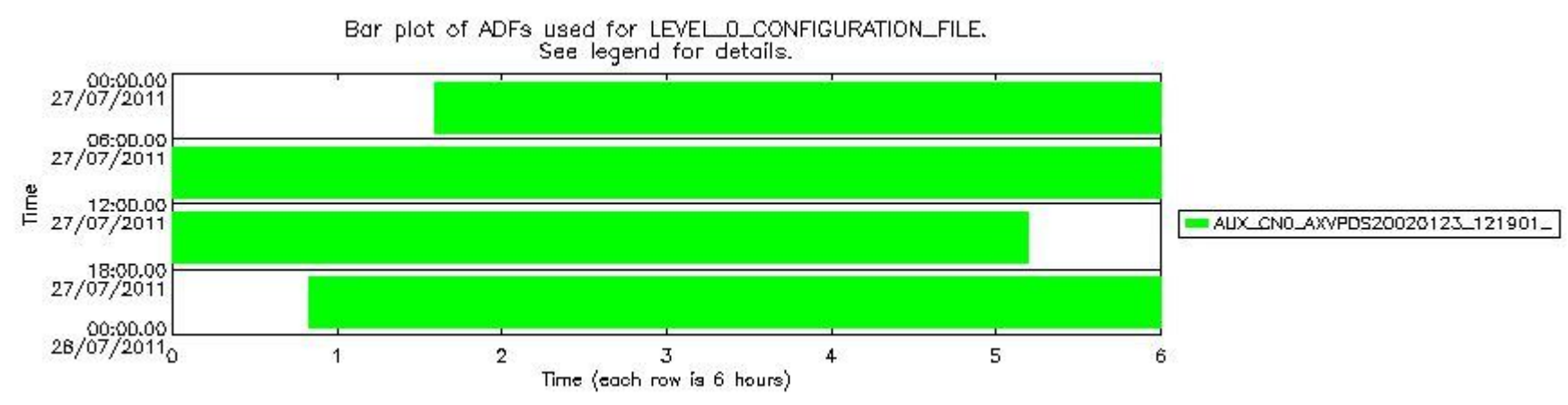
0.4 ADF monitoring

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

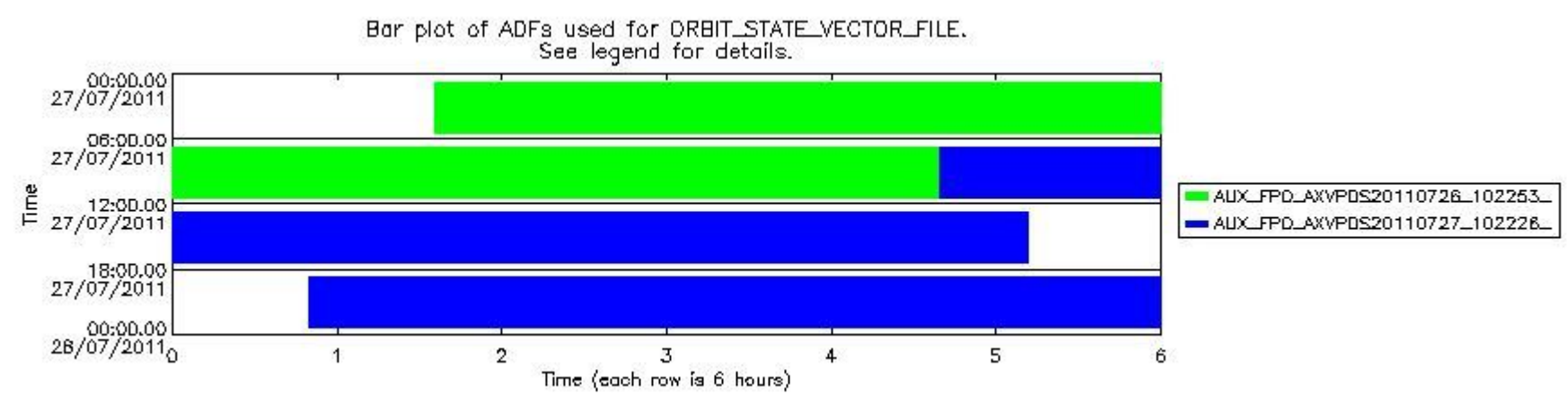
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

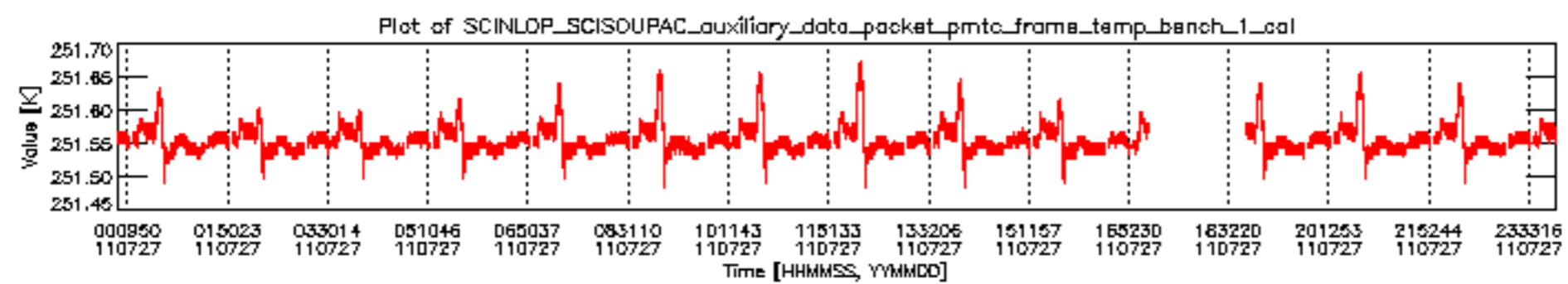
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20110726_102253_20110725_194603_20110804_201936
2	AUX_FPO_AXVPDS20110727_102226_20110726_190919_20110805_212306

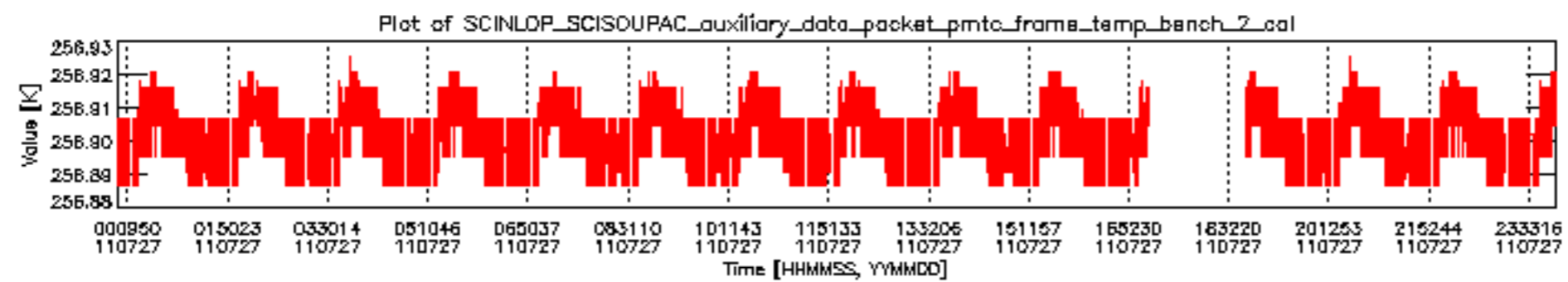


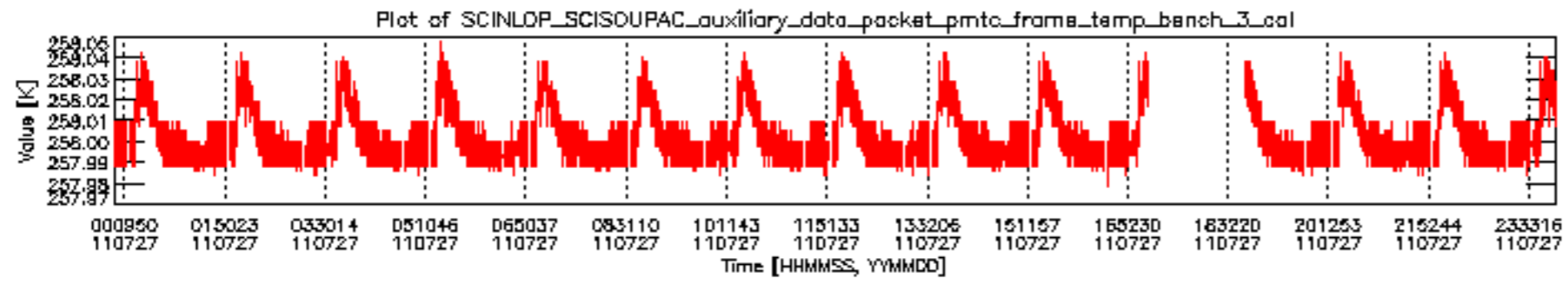
sciamachy_daily_report_level0_KSPT_L0_4504_N_20110727_7.PNG

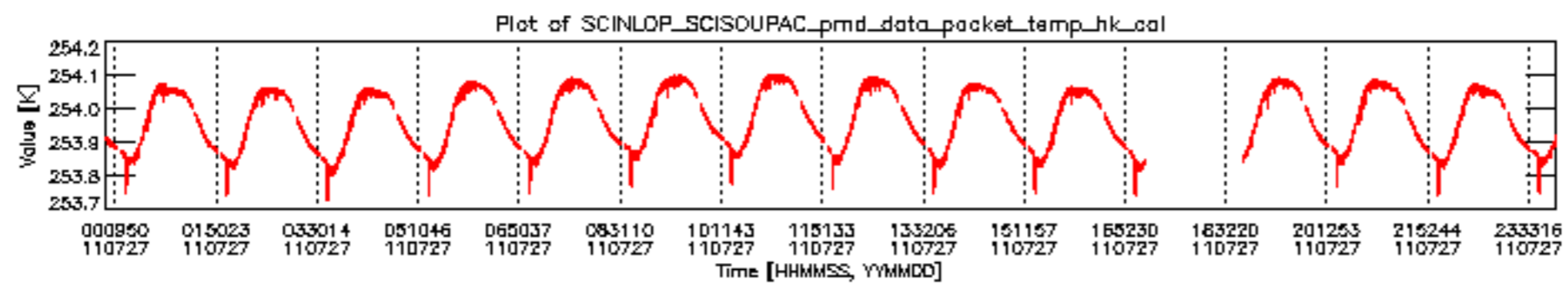


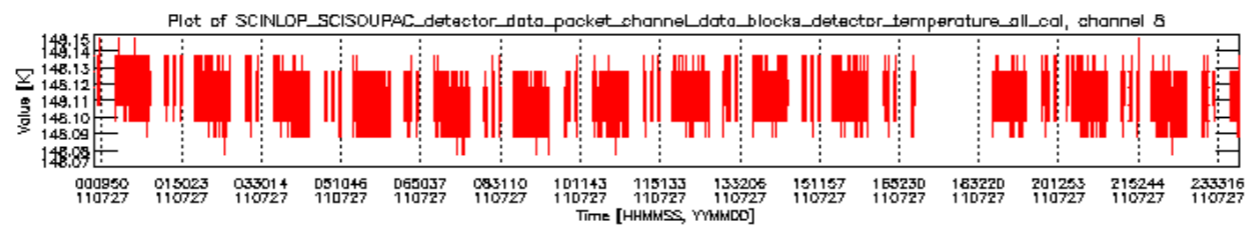
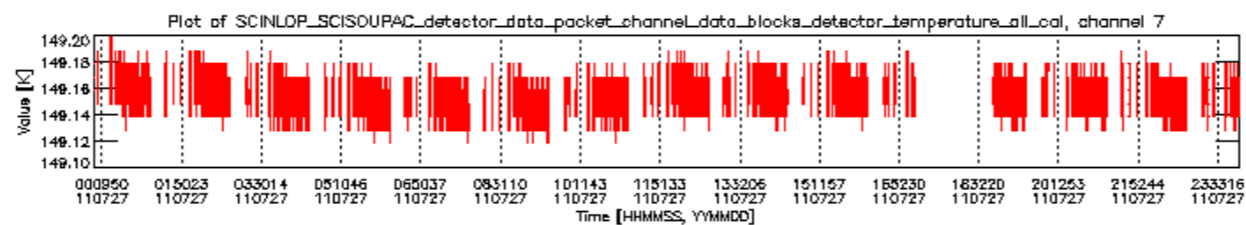
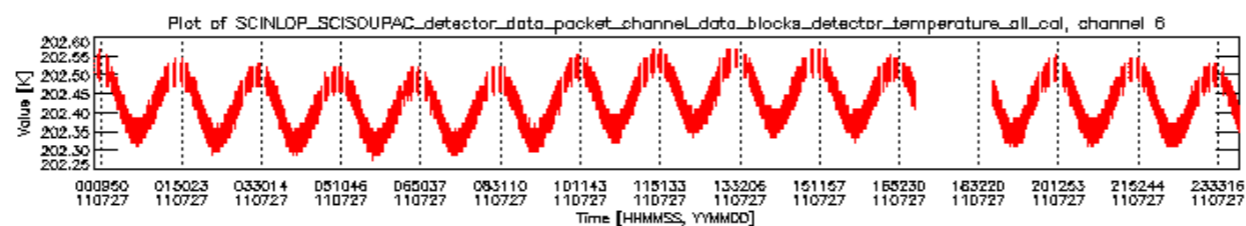
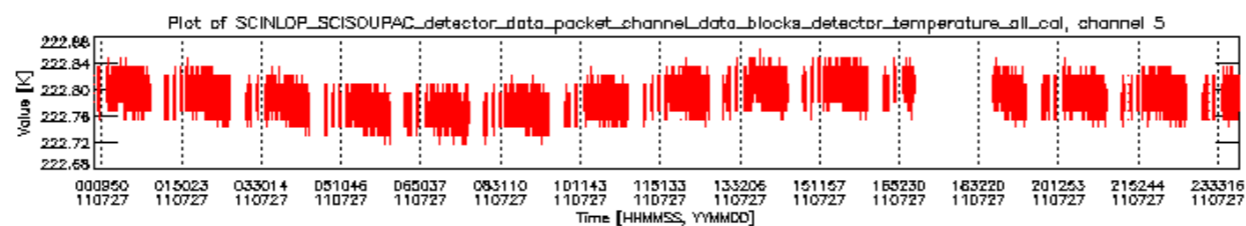
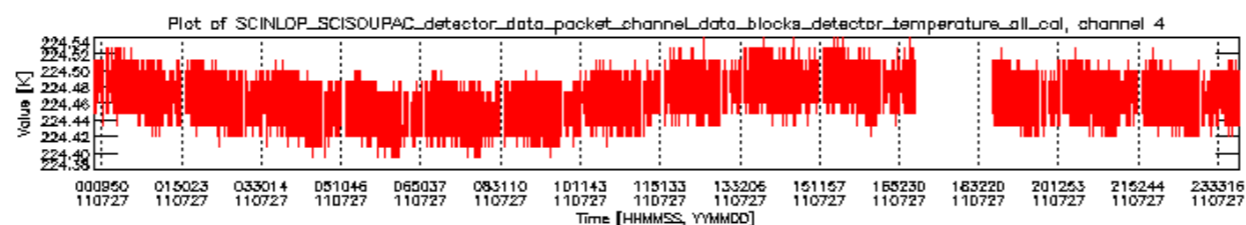
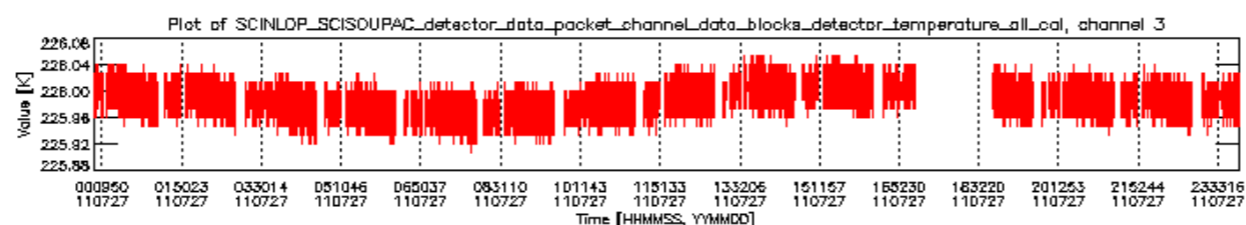
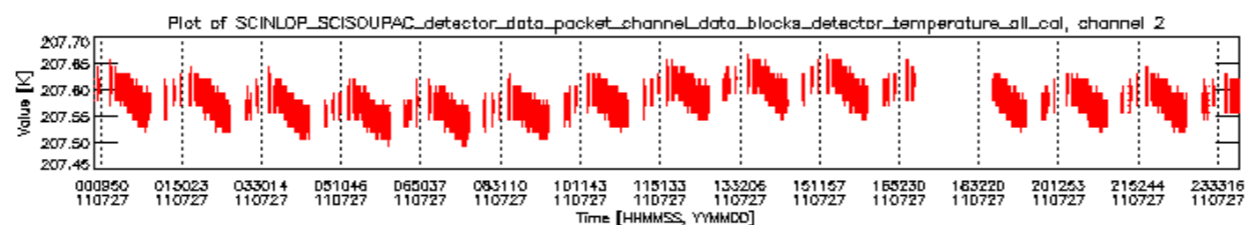
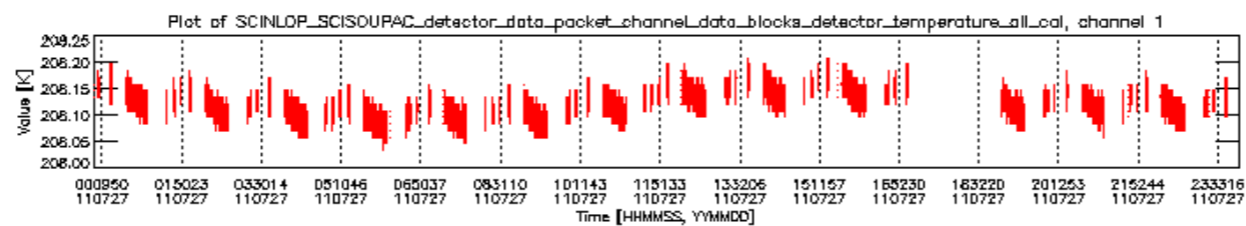
sciamachy_daily_report_level0_KSPT_L0_4504_N_20110727_8.PNG

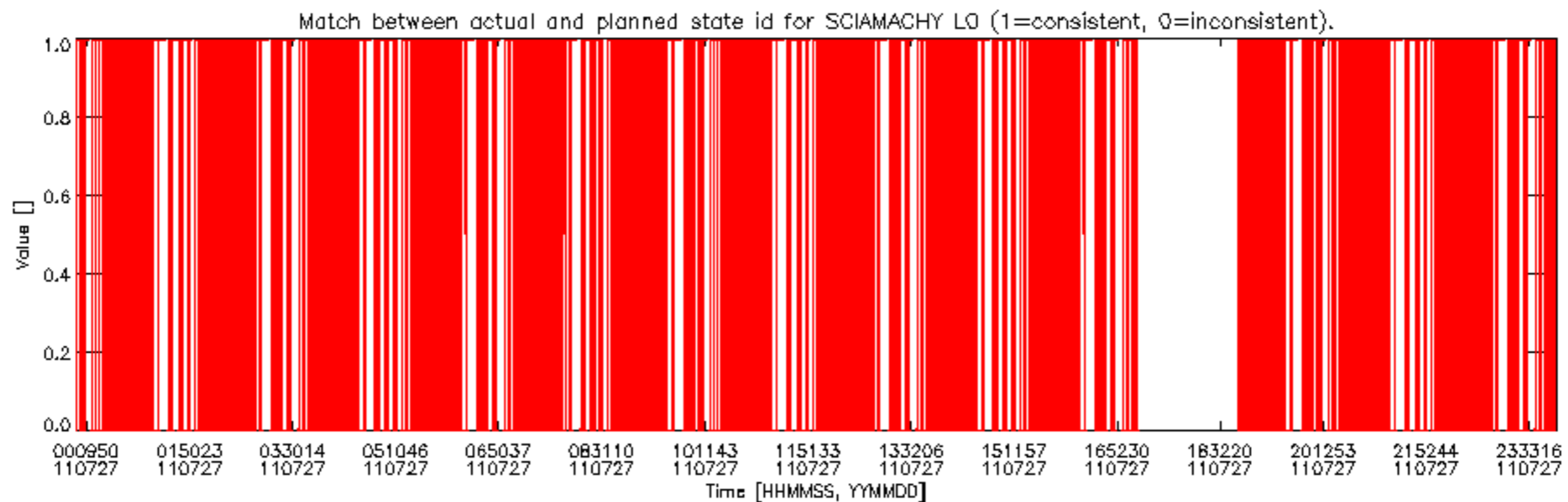
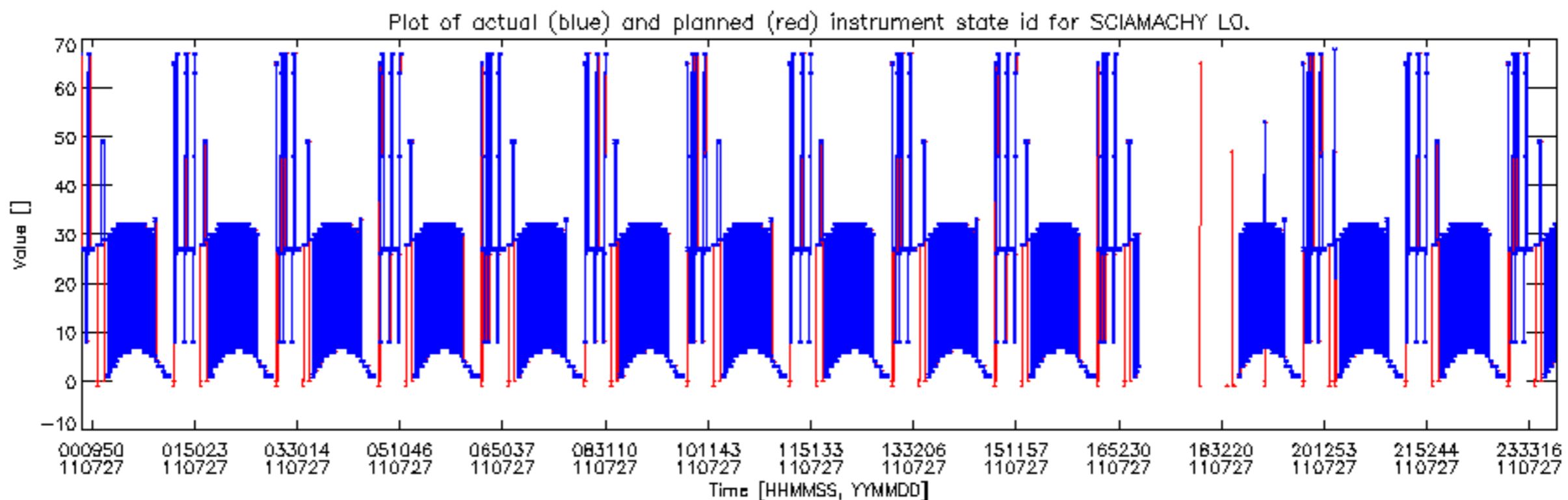












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