

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	07OCT2006 05:14:30
Data source version	PFHS/5.37-N
Processing scope for products	03OCT2006 00:00:00 to 04OCT2006 00:00:00
Start time of first product within scope	02OCT2006 22:38:00
Stop time of last product within scope	04OCT2006 01:31:27
Total number of level 0 products	16
Number of level 0 products with errors	16

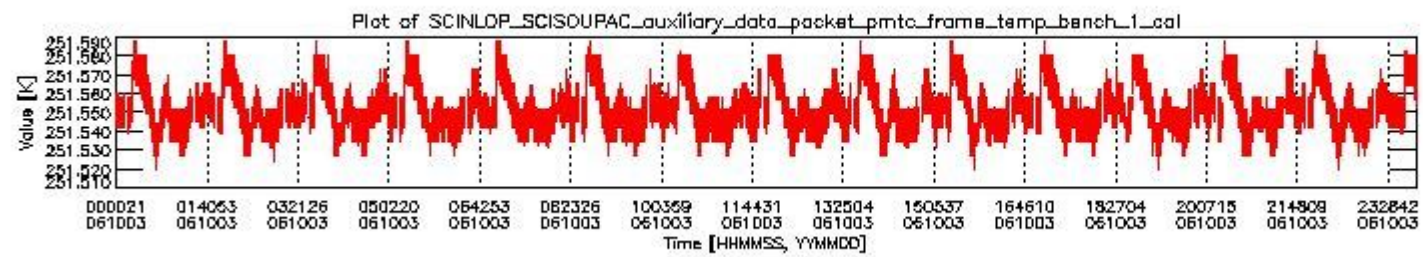
0.1.2 Summary per product

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

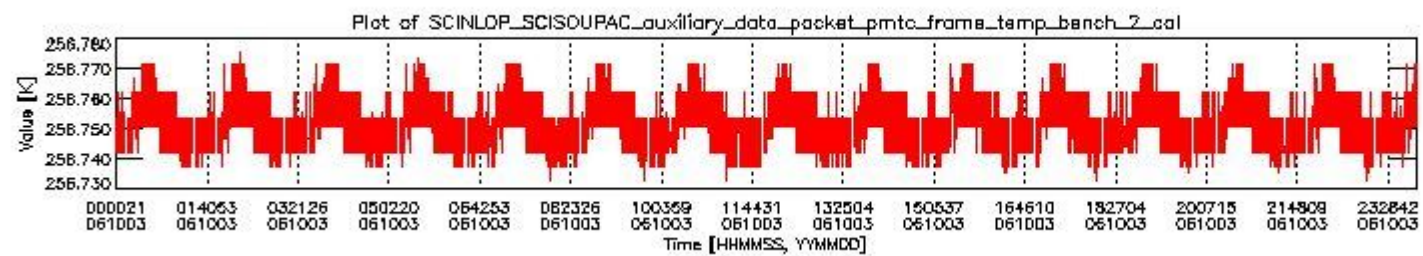
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20061002_223800_000062592051_00402_24003_0729.N1	02OCT2006 22:38:00	03OCT2006 00:22:20	1	0	1	0	0
1	SCI_NL__OPNPDE20061003_002124_000061602051_00403_24004_0733.N1	03OCT2006 00:21:24	03OCT2006 02:04:05	1	0	1	0	0
2	SCI_NL__OPNPDE20061003_020256_000062292051_00404_24005_0731.N1	03OCT2006 02:02:56	03OCT2006 03:46:45	1	0	1	0	0
3	SCI_NL__OPNPDE20061003_034537_000062292051_00405_24006_0734.N1	03OCT2006 03:45:37	03OCT2006 05:29:26	1	0	1	0	0
4	SCI_NL__OPNPDK20061003_052818_000062852051_00406_24007_0901.N1	03OCT2006 05:28:18	03OCT2006 07:13:03	1	0	1	0	0
5	SCI_NL__OPNPDK20061003_071303_000059802051_00407_24008_0902.N1	03OCT2006 07:13:03	03OCT2006 08:52:44	1	0	1	0	0
6	SCI_NL__OPNPDK20061003_085135_000060362051_00408_24009_0903.N1	03OCT2006 08:51:35	03OCT2006 10:32:12	1	0	1	0	0
7	SCI_NL__OPNPDK20061003_103212_000059112051_00409_24010_0904.N1	03OCT2006 10:32:12	03OCT2006 12:10:44	1	0	1	0	0
8	SCI_NL__OPNPDK20061003_120948_000060362051_00410_24011_0905.N1	03OCT2006 12:09:48	03OCT2006 13:50:24	1	0	1	0	0
9	SCI_NL__OPNPDK20061003_134820_000059672051_00411_24012_0906.N1	03OCT2006 13:48:20	03OCT2006 15:27:48	1	0	1	0	0
10	SCI_NL__OPNPDK20061003_152556_000059802051_00412_24013_0907.N1	03OCT2006 15:25:56	03OCT2006 17:05:37	1	0	1	0	0
11	SCI_NL__OPNPDK20061003_170223_000061162051_00413_24014_0908.N1	03OCT2006 17:02:23	03OCT2006 18:44:19	1	0	1	0	0
12	SCI_NL__OPNPDK20061003_184259_000060362051_00414_24015_0909.N1	03OCT2006 18:42:59	03OCT2006 20:23:36	1	0	1	0	0
13	SCI_NL__OPNPDK20061003_202239_000060932051_00415_24016_0910.N1	03OCT2006 20:22:39	03OCT2006 22:04:12	1	0	1	0	0
14	SCI_NL__OPNPDE20061003_220412_000063972051_00416_24017_0735.N1	03OCT2006 22:04:12	03OCT2006 23:50:50	1	0	1	0	0
15	SCI_NL__OPNPDE20061003_234954_000060922051_00417_24018_0737.N1	03OCT2006 23:49:54	04OCT2006 01:31:27	1	0	1	0	0

0.2 Product Quality Indicators

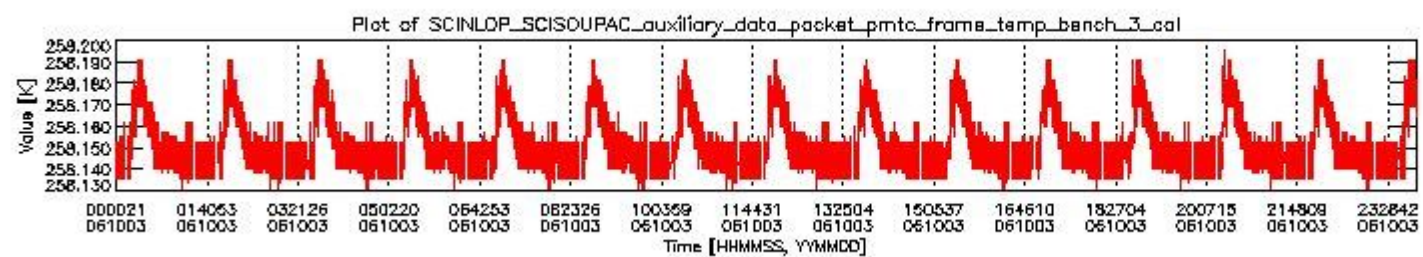
This section shows information about product quality, currently temperatures.



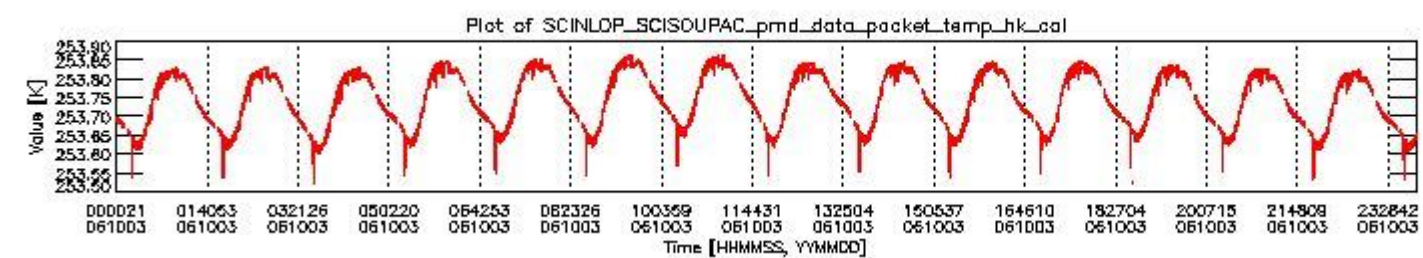
sciamachy_daily_report_level0_PFHS_5_37_N_20061003_0.PNG



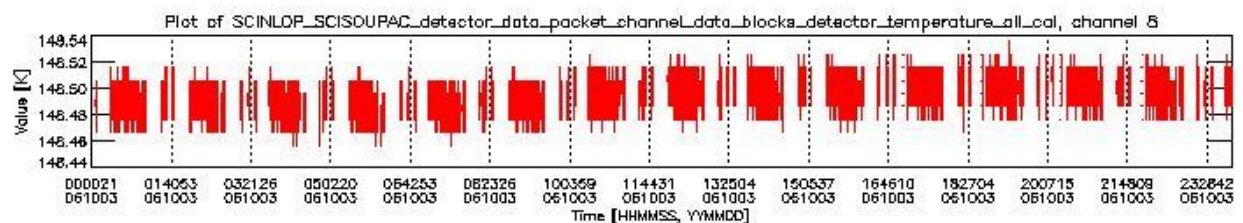
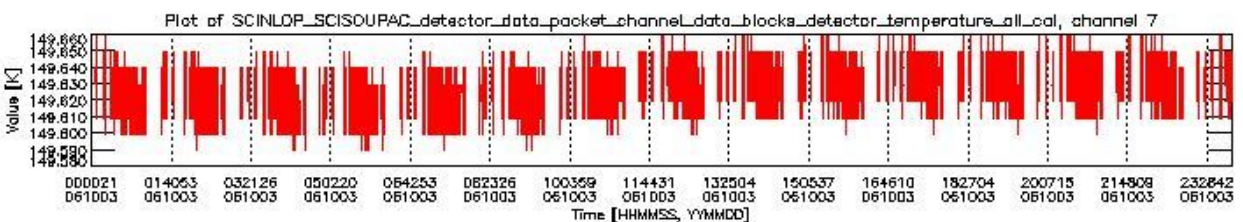
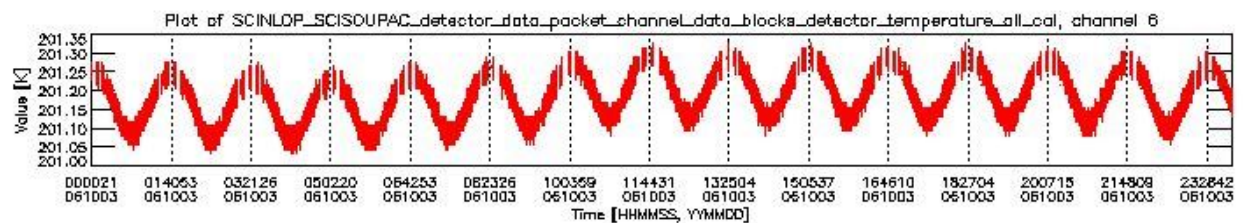
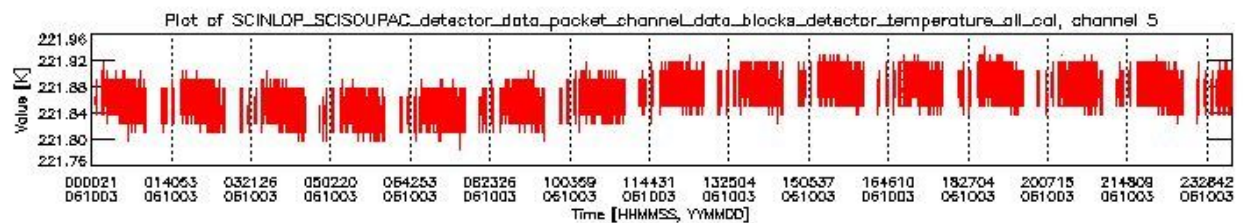
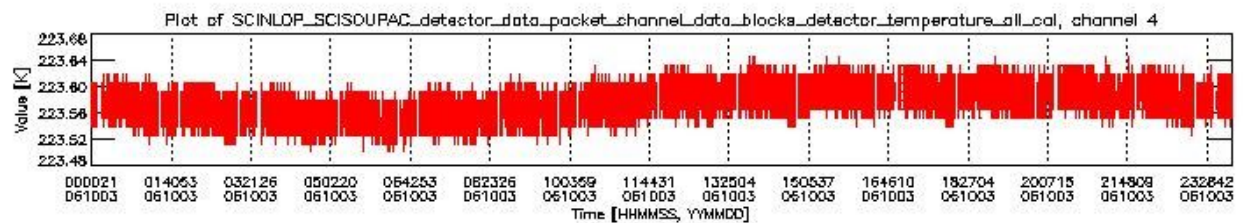
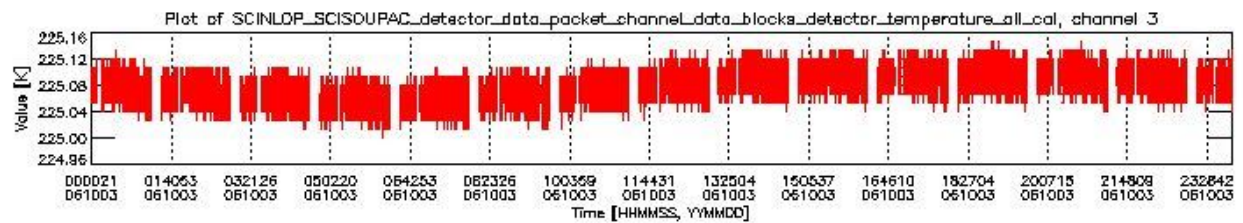
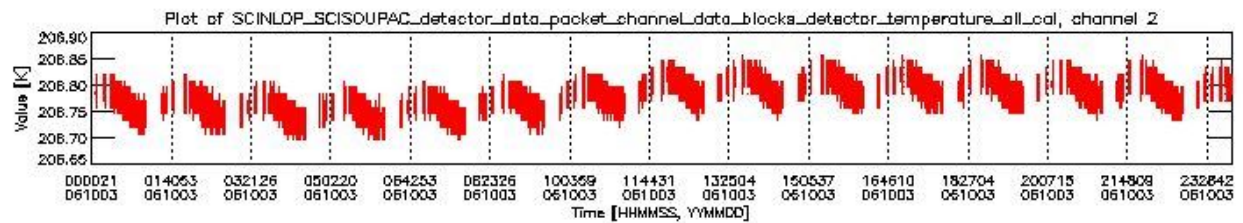
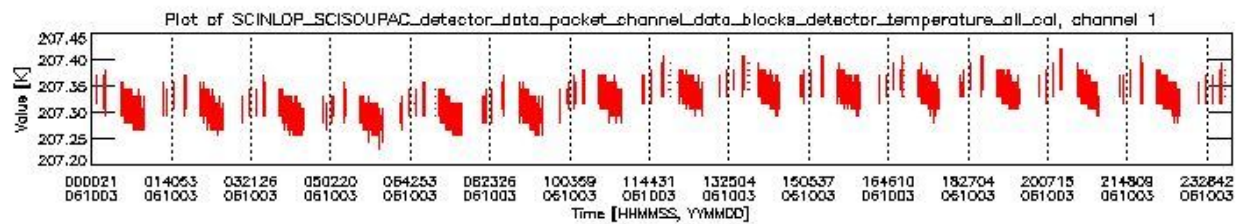
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sciamachy_daily_report_level0_PFHS_5_37_N_20061003_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061003_3.PNG

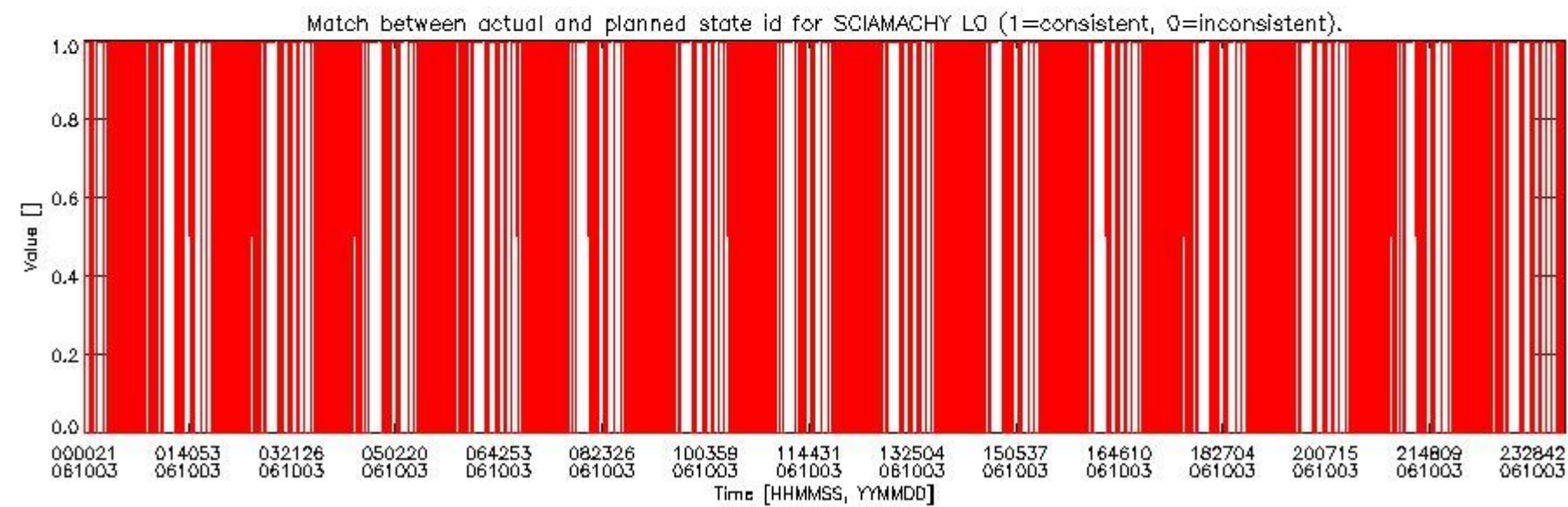
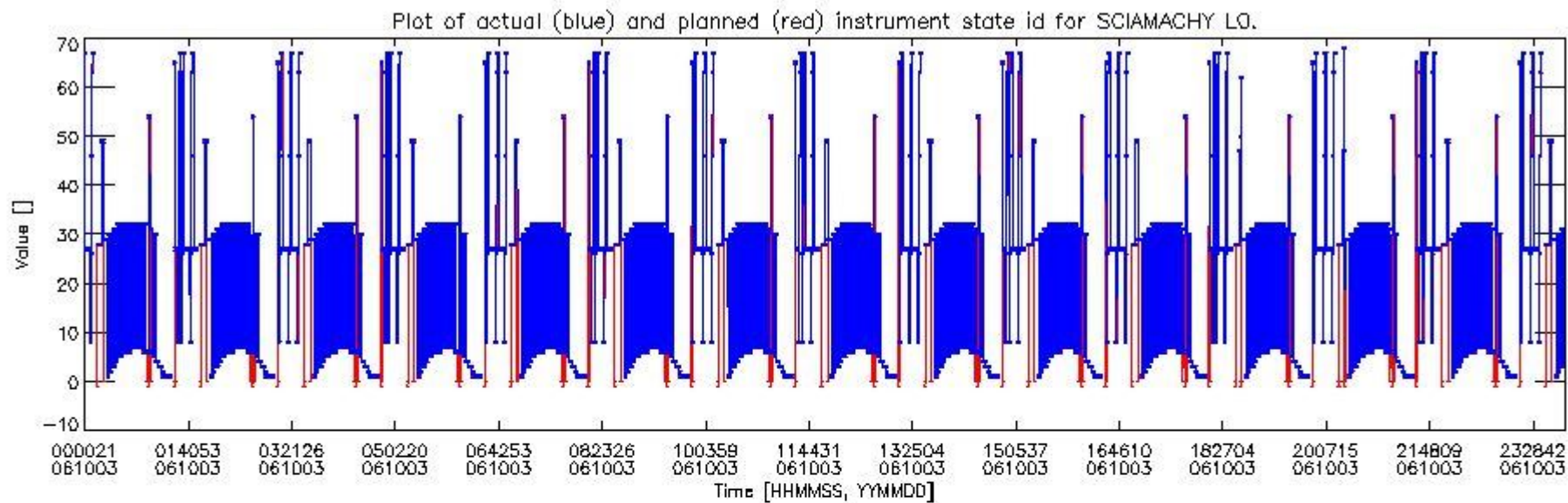


0.3 State monitoring

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: **3528**

#	Actual time	Actual value	Planned time	Planned value
0	03OCT2006 00:00:26.584084	27	03OCT2006 00:00:26.584084	67
1	03OCT2006 00:00:27.584079	27	03OCT2006 00:00:27.584079	67
2	03OCT2006 00:05:34.994240	8	03OCT2006 00:05:34.994240	27
3	03OCT2006 00:05:36.119239	8	03OCT2006 00:05:36.119239	27
4	03OCT2006 00:06:18.552805	26	03OCT2006 00:06:18.552805	8
5	03OCT2006 00:06:19.177827	26	03OCT2006 00:06:19.177827	8
6	03OCT2006 00:06:19.677804	26	03OCT2006 00:06:19.677804	8
7	03OCT2006 00:06:52.107521	46	03OCT2006 00:06:52.107521	26
8	03OCT2006 00:06:52.732503	46	03OCT2006 00:06:52.732503	26
9	03OCT2006 00:06:53.232520	46	03OCT2006 00:06:53.232520	26
10	03OCT2006 00:07:05.669990	63	03OCT2006 00:07:05.669990	46
11	03OCT2006 00:07:06.295012	63	03OCT2006 00:07:06.295012	46
12	03OCT2006 00:07:06.794989	63	03OCT2006 00:07:06.794989	46
13	03OCT2006 00:07:39.224707	67	03OCT2006 00:07:39.224707	63
14	03OCT2006 00:07:39.474675	67	03OCT2006 00:07:39.474675	63
15	03OCT2006 00:07:39.599680	67	03OCT2006 00:07:39.599680	63
16	03OCT2006 00:07:39.724684	67	03OCT2006 00:07:39.724684	63
17	03OCT2006 00:07:39.849688	67	03OCT2006 00:07:39.849688	63
18	03OCT2006 00:07:39.974693	67	03OCT2006 00:07:39.974693	63
19	03OCT2006 00:07:40.099697	67	03OCT2006 00:07:40.099697	63

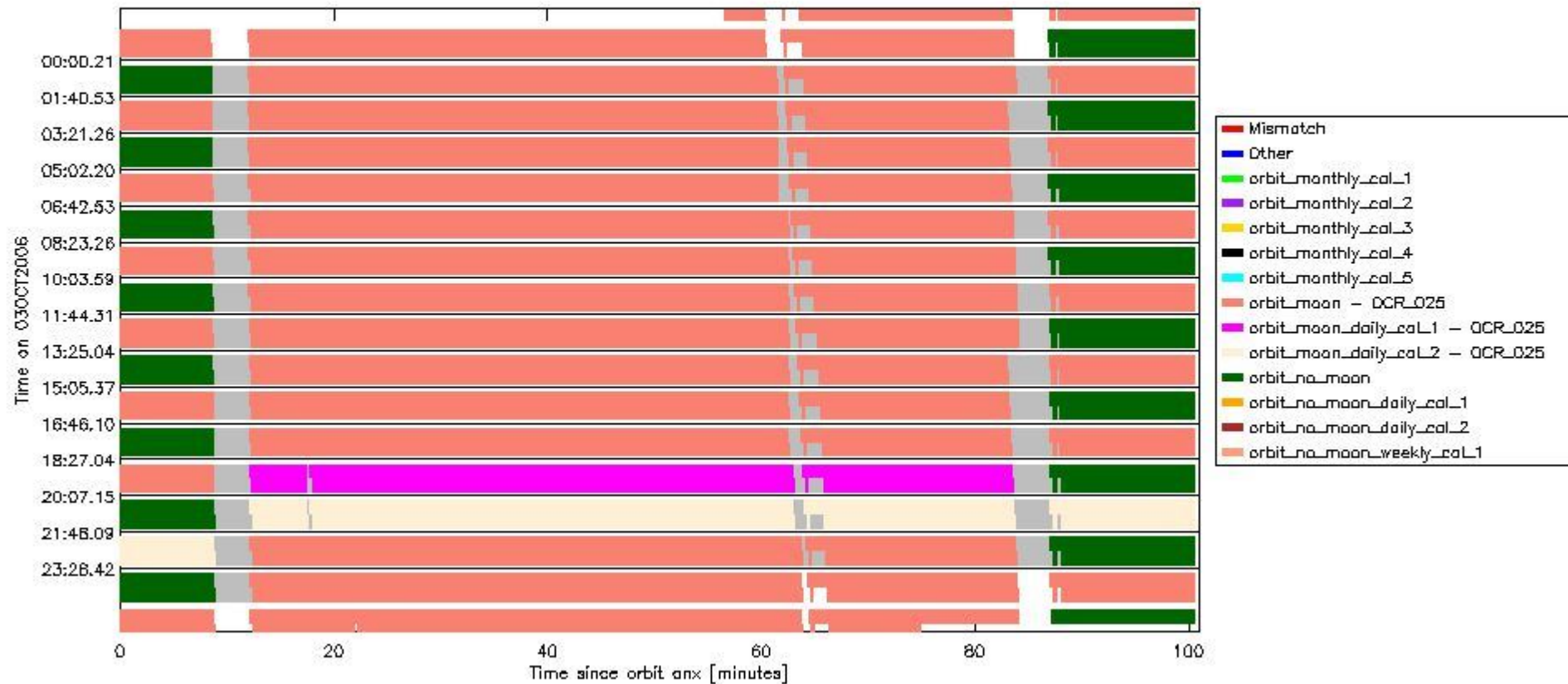


sciamachy_daily_report_level0_PFHS_5_37_N_20061003_5.PNG

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 03OCT2006.
 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_PFHS_5_37_N_20061003_6.PNG

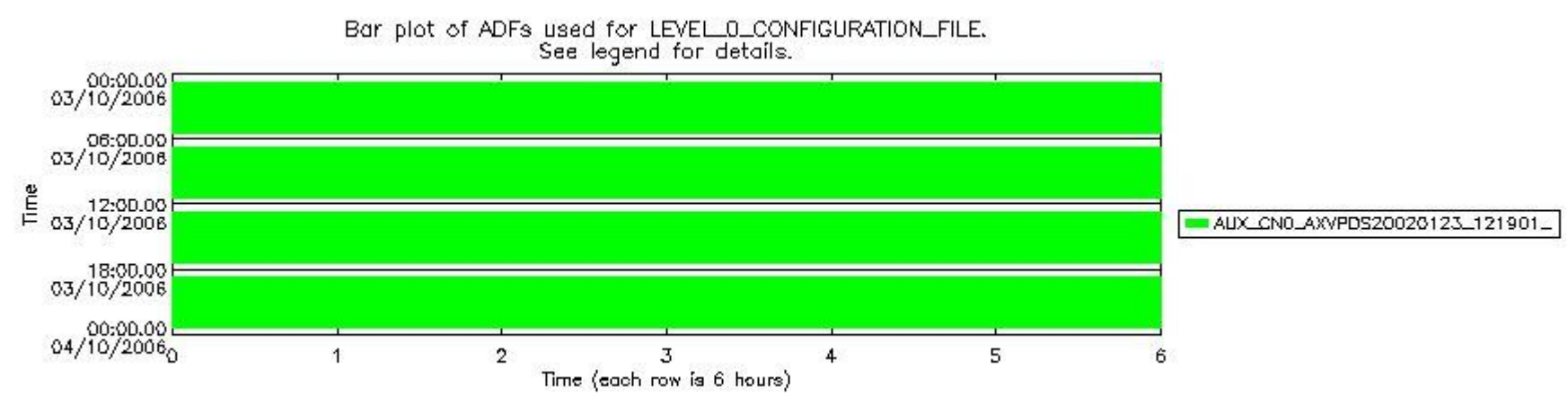
0.4 ADF monitoring

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

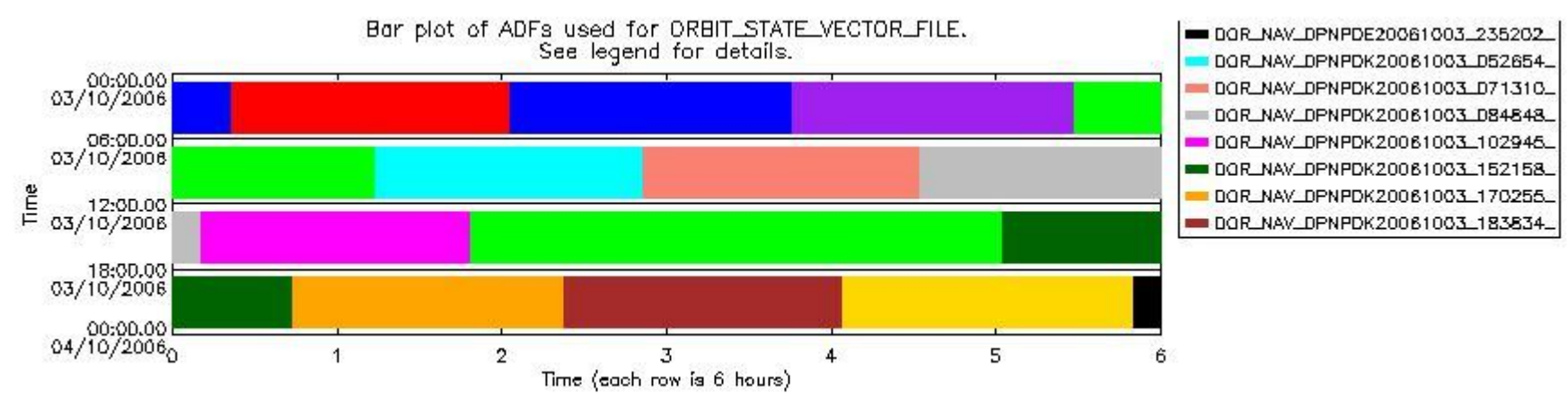
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

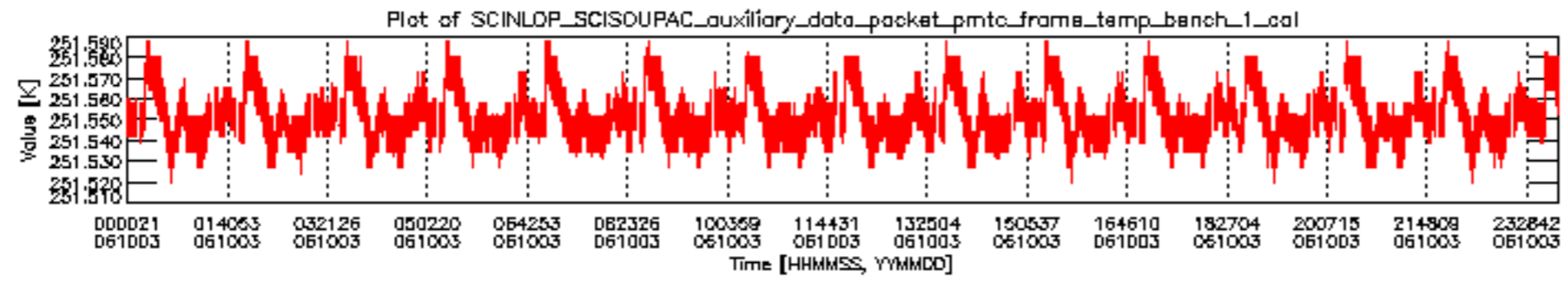
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20061003_010023_20061002_185834_20061012_202449
2	AUX_FPO_AXVPDS20061003_010036_20061002_185834_20061012_202449
3	DOR_NAV_OPNPDE20061003_002403_000054192051_00403_24004_0688.N1
4	DOR_NAV_OPNPDE20061003_034557_000057382051_00405_24006_0689.N1
5	DOR_NAV_OPNPDE20061003_220547_000057382051_00416_24017_0696.N1
6	DOR_NAV_OPNPDE20061003_235202_000054192051_00417_24018_0698.N1
7	DOR_NAV_OPNPDK20061003_052654_000060562051_00406_24007_0939.N1
8	DOR_NAV_OPNPDK20061003_071310_000054192051_00407_24008_0940.N1
9	DOR_NAV_OPNPDK20061003_084848_000057382051_00408_24009_0944.N1
10	DOR_NAV_OPNPDK20061003_102945_000054192051_00409_24010_0946.N1
11	DOR_NAV_OPNPDK20061003_152158_000057382051_00412_24013_0949.N1
12	DOR_NAV_OPNPDK20061003_170255_000054192051_00413_24014_0950.N1
13	DOR_NAV_OPNPDK20061003_183834_000057382051_00414_24015_0951.N1

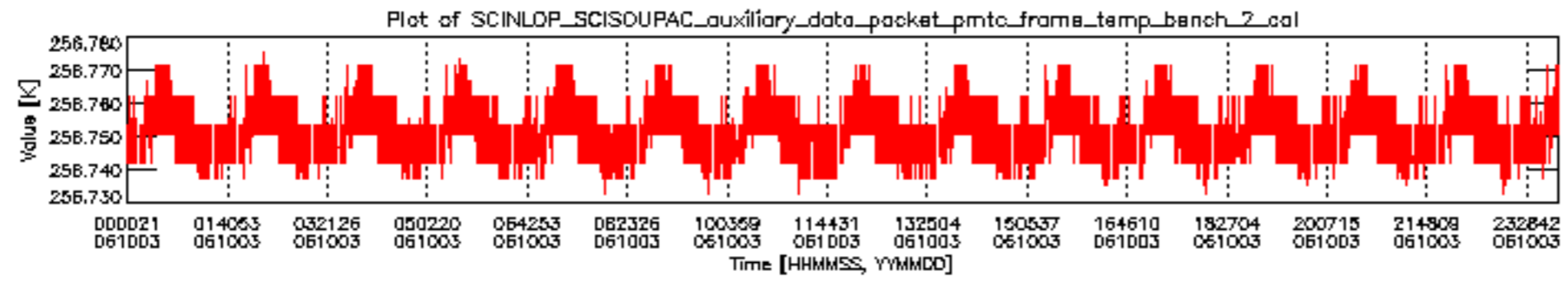


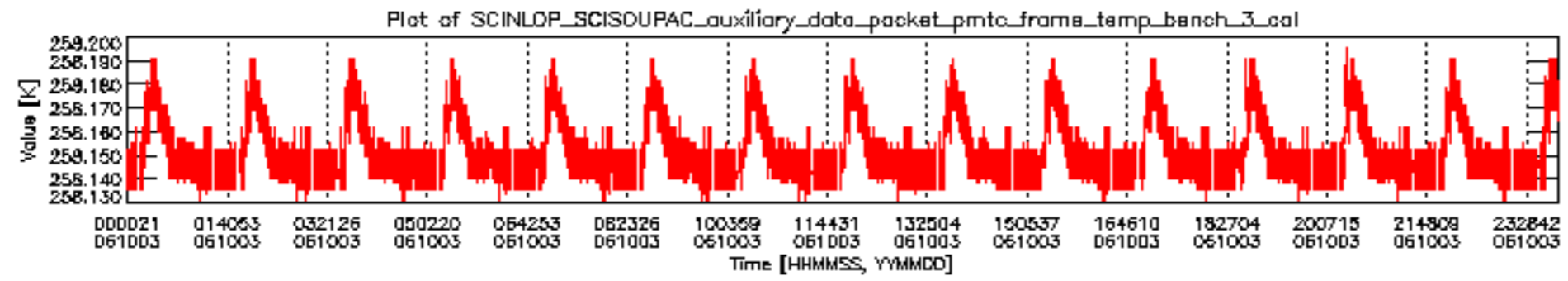
sciamachy_daily_report_level0_PFHS_5_37_N_20061003_7.PNG

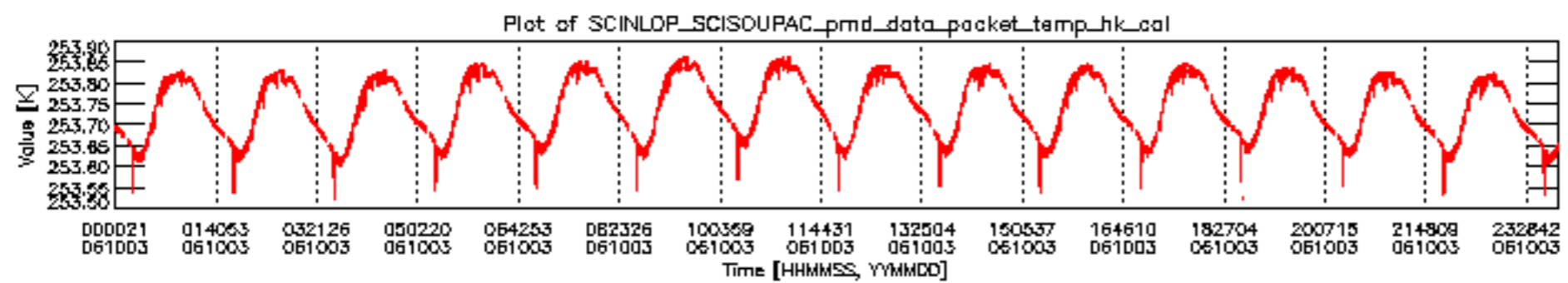


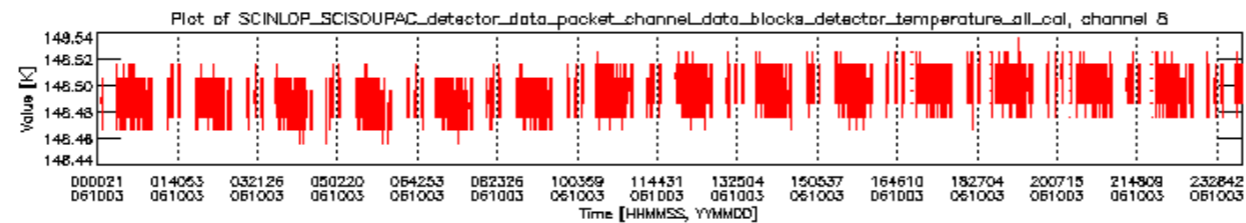
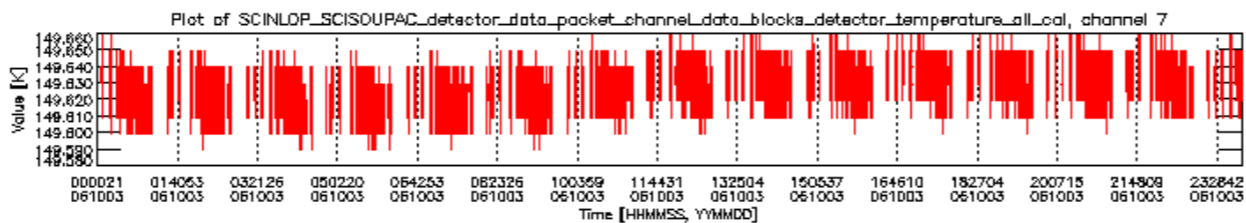
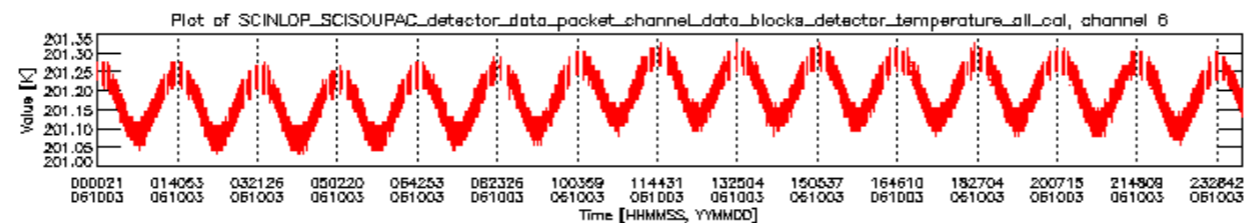
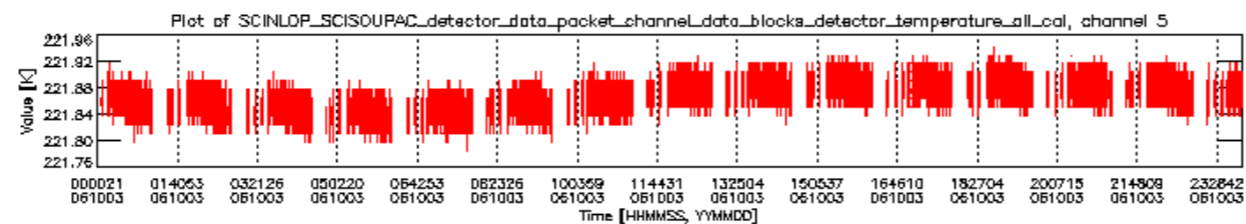
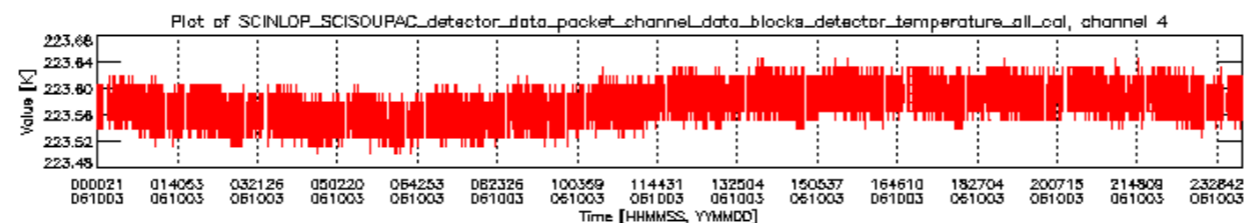
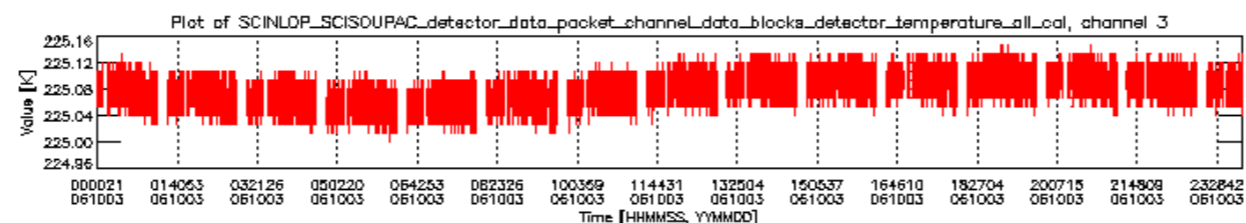
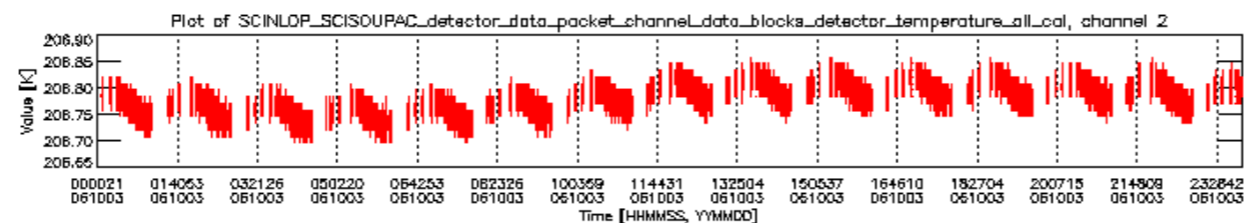
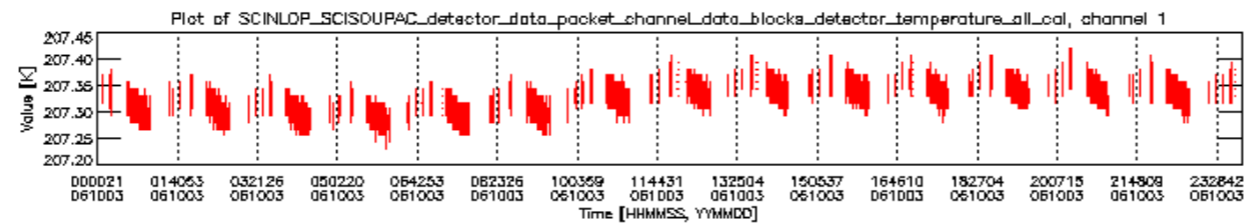
sciamachy_daily_report_level0_PFHS_5_37_N_20061003_8.PNG

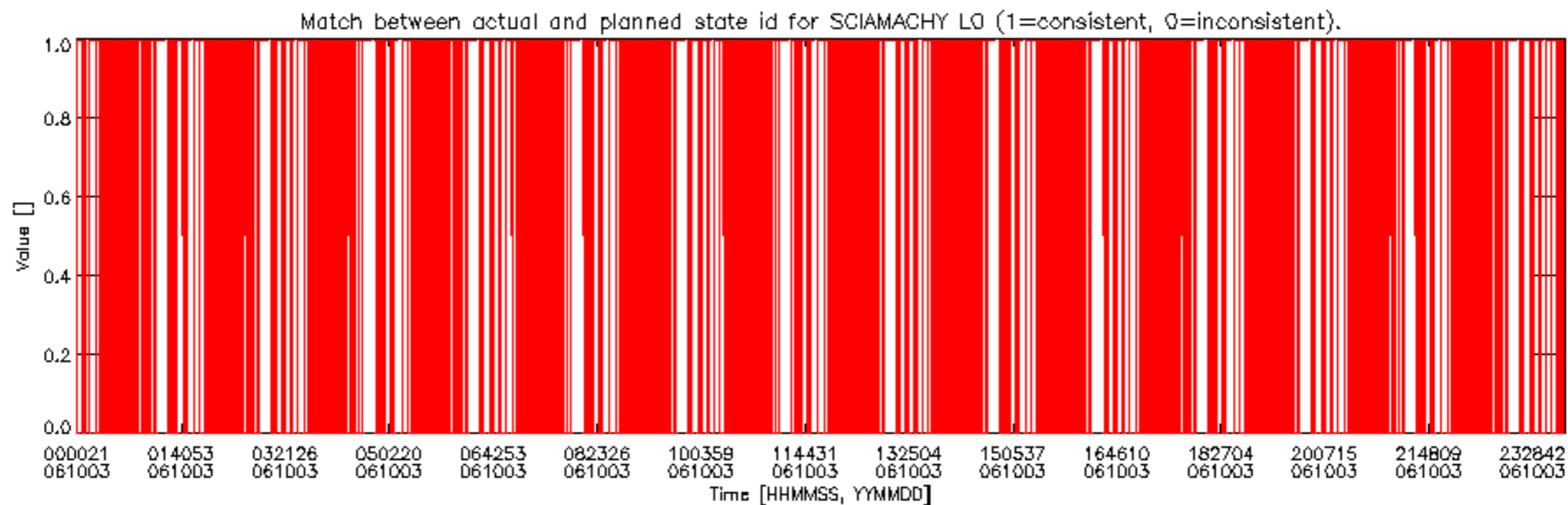
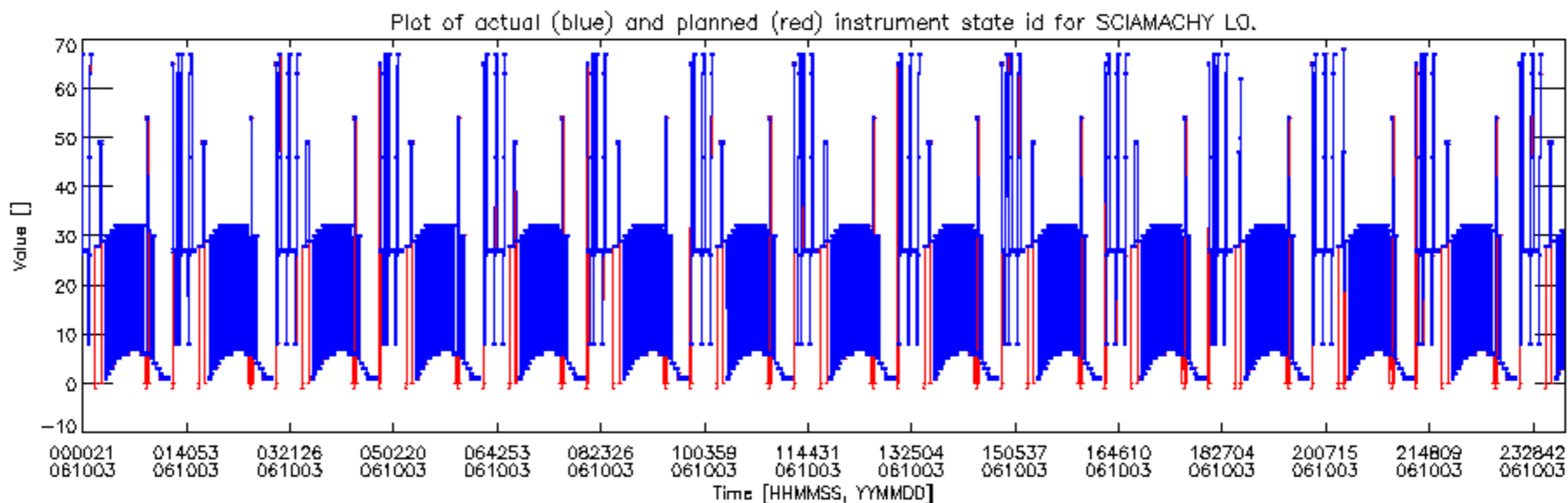












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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