

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	08SEP2006 05:05:06
Data source version	PFHS/5.37-N
Processing scope for products	04SEP2006 00:00:00 to 05SEP2006 00:00:00
Start time of first product within scope	03SEP2006 23:57:44
Stop time of last product within scope	05SEP2006 01:08:06
Total number of level 0 products	17
Number of level 0 products with errors	17

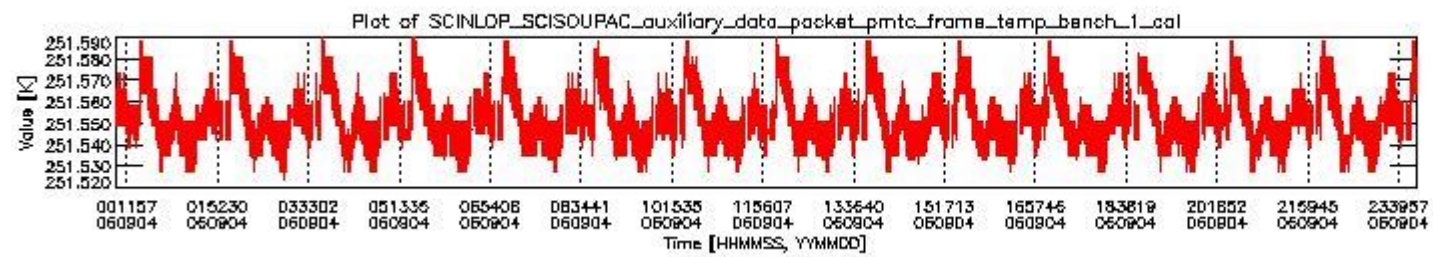
0.1.2 Summary per product

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

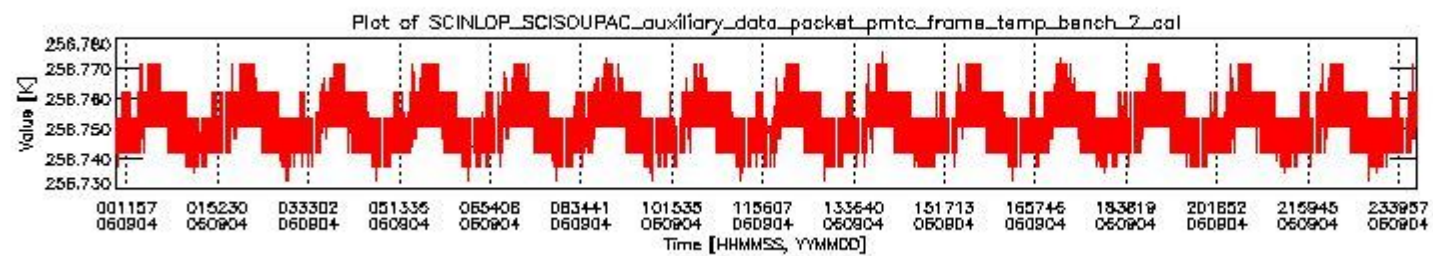
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20060903_235744_000060282050_00488_23588_0511.N1	03SEP2006 23:57:44	04SEP2006 01:38:12	1	0	1	0	0
1	SCI_NL__OPNPDE20060904_013812_000043912050_00489_23589_0510.N1	04SEP2006 01:38:12	04SEP2006 02:51:23	1	0	1	0	0
2	SCI_NL__OPNPDE20060904_025123_000061562050_00490_23590_0512.N1	04SEP2006 02:51:23	04SEP2006 04:34:00	1	0	1	0	0
3	SCI_NL__OPNPDE20060904_043400_000059162050_00491_23591_0513.N1	04SEP2006 04:34:00	04SEP2006 06:12:36	1	0	1	0	0
4	SCI_NL__OPNPDK20060904_061443_000040392050_00492_23592_0625.N1	04SEP2006 06:14:43	04SEP2006 07:22:02	1	0	1	0	0
5	SCI_NL__OPNPDK20060904_072202_000060922050_00493_23593_0626.N1	04SEP2006 07:22:02	04SEP2006 09:03:35	1	0	1	0	0
6	SCI_NL__OPNPDK20060904_090335_000060362050_00494_23594_0627.N1	04SEP2006 09:03:35	04SEP2006 10:44:11	1	0	1	0	0
7	SCI_NL__OPNPDK20060904_104315_000059672050_00495_23595_0628.N1	04SEP2006 10:43:15	04SEP2006 12:22:43	1	0	1	0	0
8	SCI_NL__OPNPDK20060904_122147_000059672050_00496_23596_0629.N1	04SEP2006 12:21:47	04SEP2006 14:01:15	1	0	1	0	0
9	SCI_NL__OPNPDK20060904_140019_000057872050_00497_23597_0630.N1	04SEP2006 14:00:19	04SEP2006 15:36:47	1	0	1	0	0
10	SCI_NL__OPNPDK20060904_153442_000061422050_00498_23598_0631.N1	04SEP2006 15:34:42	04SEP2006 17:17:05	1	0	1	0	0
11	SCI_NL__OPNPDK20060904_171609_000058932050_00499_23599_0632.N1	04SEP2006 17:16:09	04SEP2006 18:54:23	1	0	1	0	0
12	SCI_NL__OPNPDK20060904_185327_000060722050_00500_23600_0633.N1	04SEP2006 18:53:27	04SEP2006 20:34:40	1	0	1	0	0
13	SCI_NL__OPNPDE20060904_203344_000043052050_00501_23601_0519.N1	04SEP2006 20:33:44	04SEP2006 21:45:29	1	0	1	0	0
14	SCI_NL__OPNPDK20060904_214456_000017642050_00501_23601_0636.N1	04SEP2006 21:44:56	04SEP2006 22:14:20	1	0	1	0	0
15	SCI_NL__OPNPDE20060904_221202_000043192051_00001_23602_0520.N1	04SEP2006 22:12:02	04SEP2006 23:24:01	1	0	1	0	0
16	SCI_NL__OPNPDE20060904_232530_000061562051_00001_23602_0521.N1	04SEP2006 23:25:30	05SEP2006 01:08:06	1	0	1	0	0

0.2 Product Quality Indicators

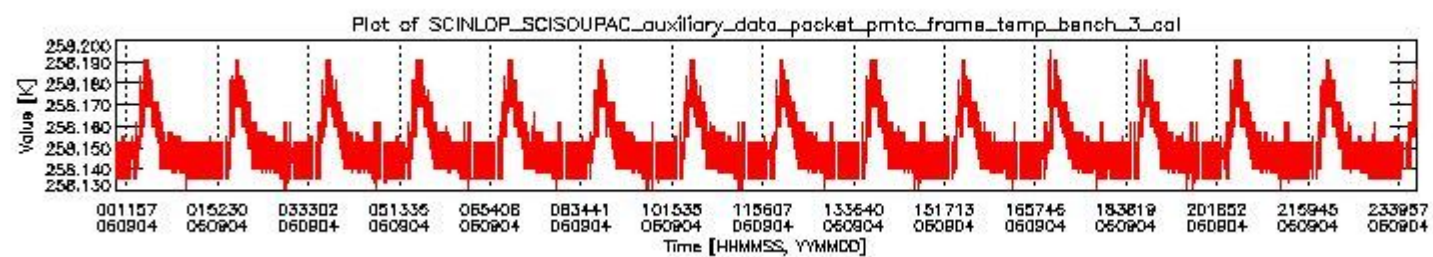
This section shows information about product quality, currently temperatures.



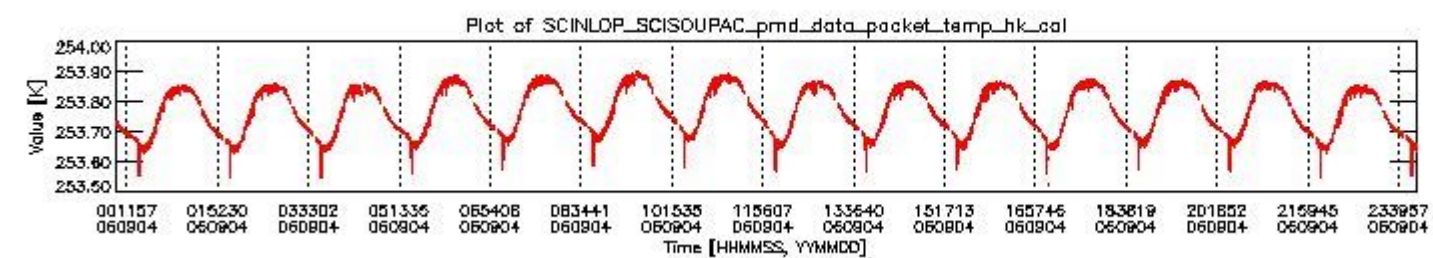
sciamachy_daily_report_level0_PFHS_5_37_N_20060904_0.PNG



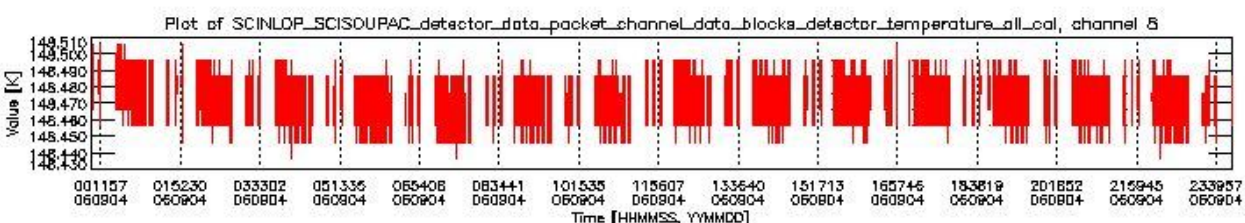
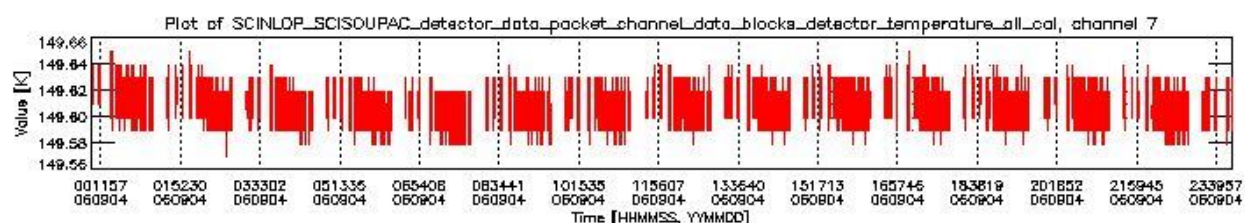
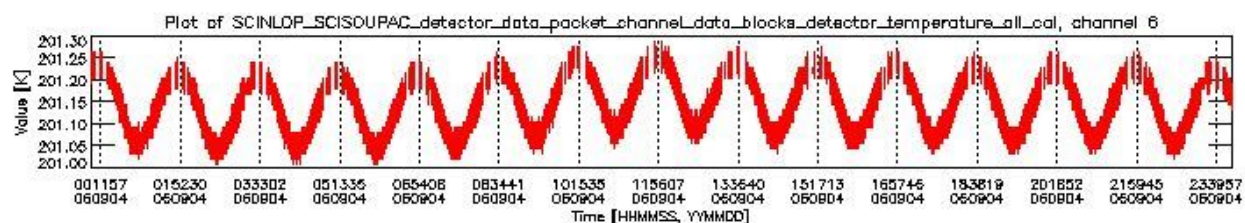
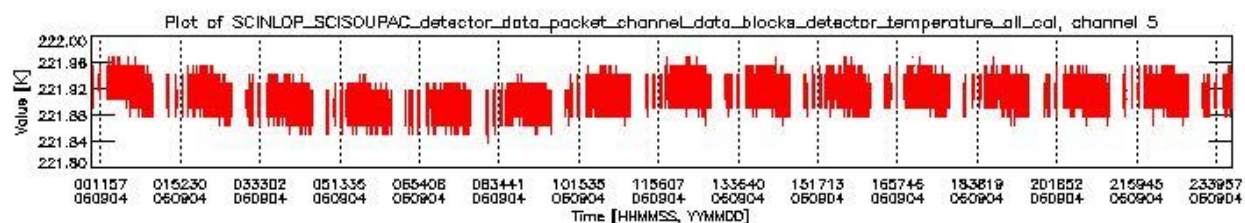
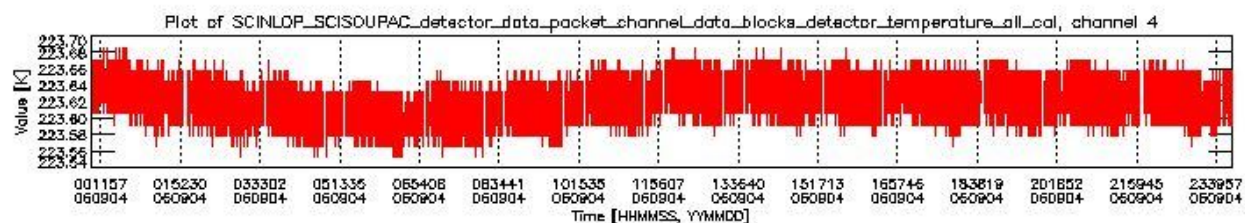
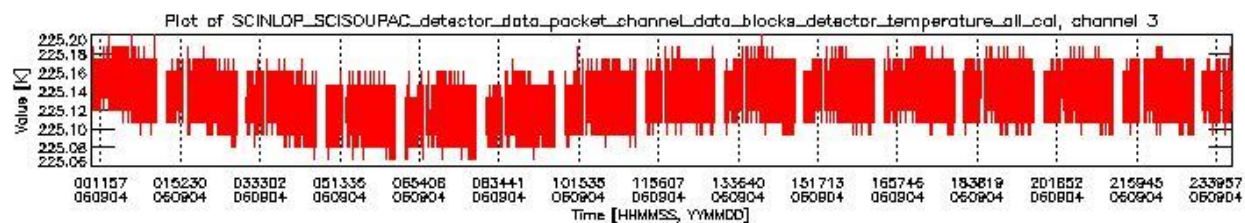
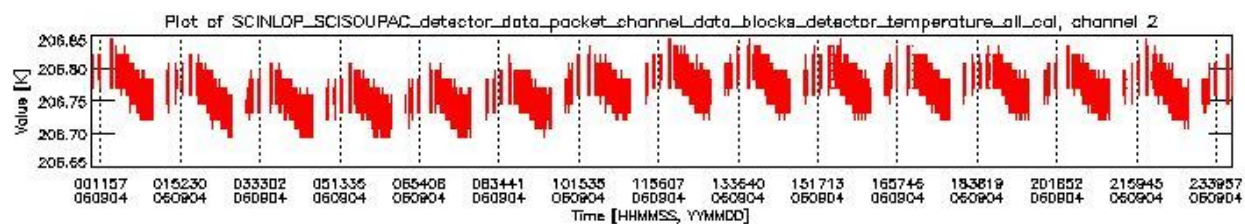
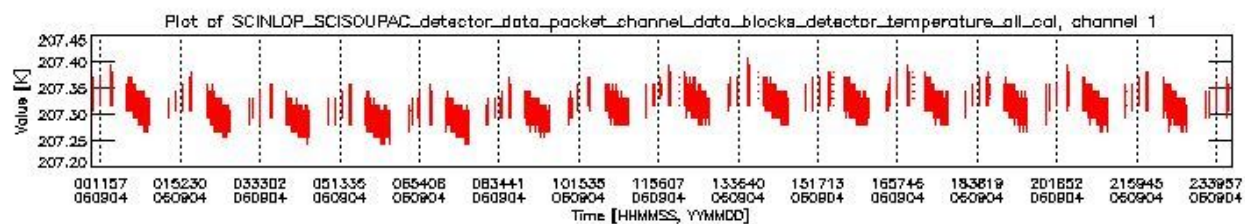
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sciamachy_daily_report_level0_PFHS_5_37_N_20060904_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20060904_3.PNG

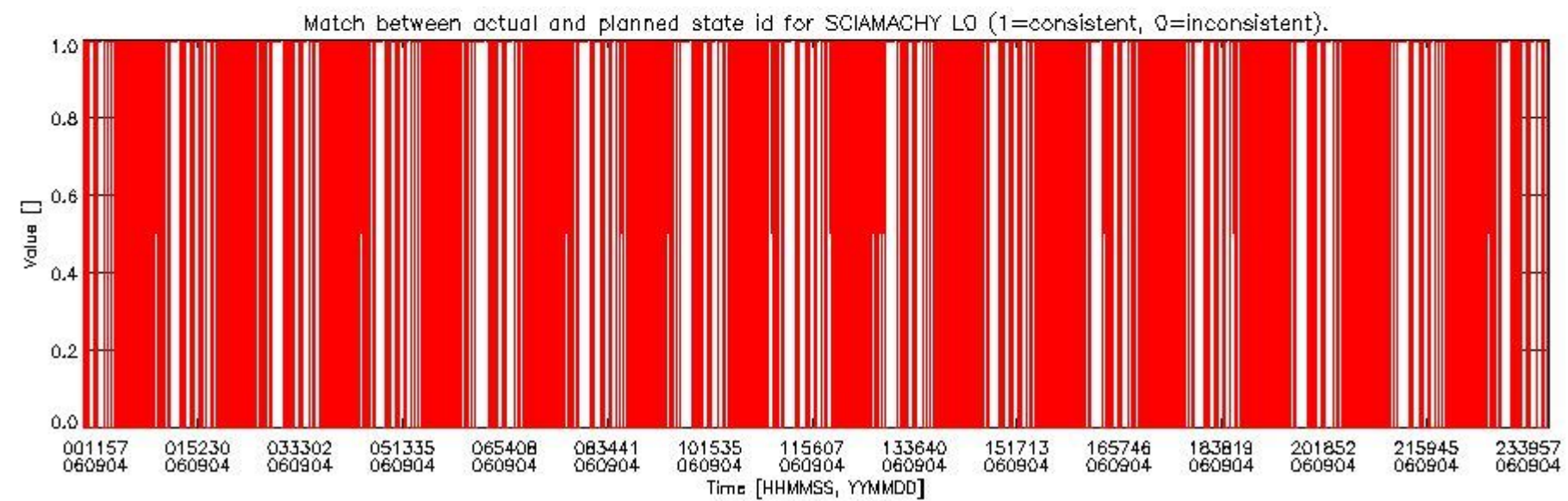
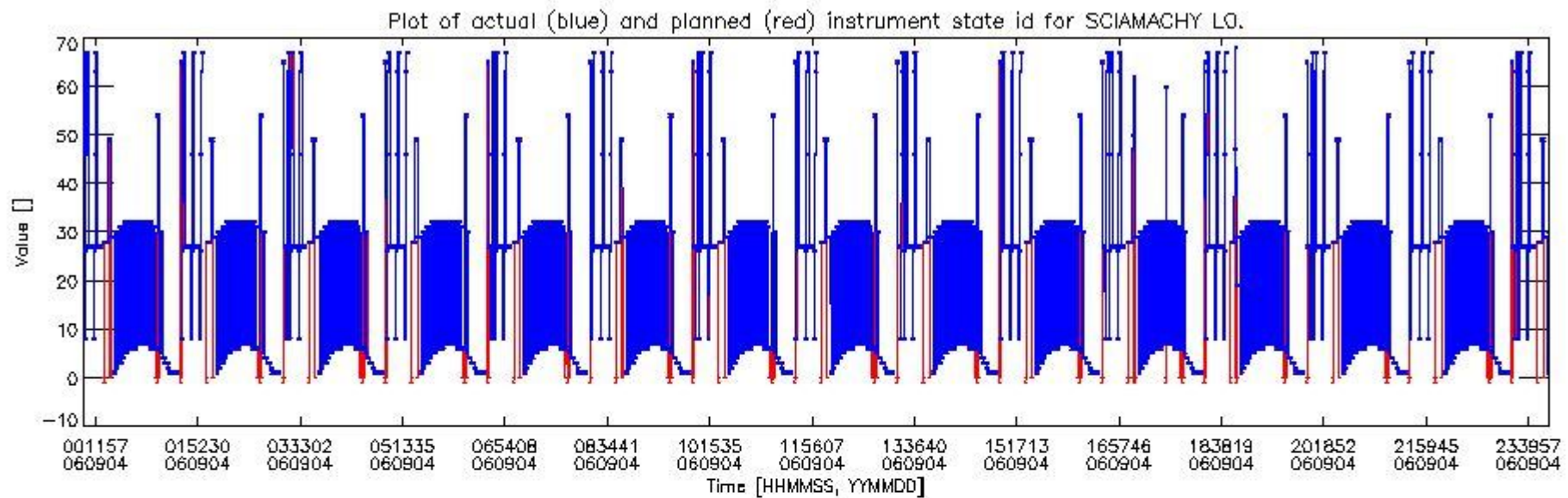


0.3 State monitoring

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: **9658**

#	Actual time	Actual value	Planned time	Planned value
0	04SEP2006 00:01:12.069615	8	04SEP2006 00:01:12.069615	67
1	04SEP2006 00:01:13.194614	8	04SEP2006 00:01:13.194614	67
2	04SEP2006 00:01:14.194609	8	04SEP2006 00:01:14.194609	67
3	04SEP2006 00:01:55.624318	26	04SEP2006 00:01:55.624318	8
4	04SEP2006 00:01:56.249299	26	04SEP2006 00:01:56.249299	8
5	04SEP2006 00:01:56.749316	26	04SEP2006 00:01:56.749316	8
6	04SEP2006 00:01:57.249294	26	04SEP2006 00:01:57.249294	8
7	04SEP2006 00:01:57.749311	26	04SEP2006 00:01:57.749311	8
8	04SEP2006 00:02:29.182896	46	04SEP2006 00:02:29.182896	26
9	04SEP2006 00:02:29.807918	46	04SEP2006 00:02:29.807918	26
10	04SEP2006 00:02:30.307895	46	04SEP2006 00:02:30.307895	26
11	04SEP2006 00:02:30.807913	46	04SEP2006 00:02:30.807913	26
12	04SEP2006 00:02:31.307890	46	04SEP2006 00:02:31.307890	26
13	04SEP2006 00:02:42.745406	63	04SEP2006 00:02:42.745406	46
14	04SEP2006 00:02:43.370387	63	04SEP2006 00:02:43.370387	46
15	04SEP2006 00:02:43.870405	63	04SEP2006 00:02:43.870405	46
16	04SEP2006 00:02:44.370382	63	04SEP2006 00:02:44.370382	46
17	04SEP2006 00:02:44.870399	63	04SEP2006 00:02:44.870399	46
18	04SEP2006 00:03:16.303985	67	04SEP2006 00:03:16.303985	63
19	04SEP2006 00:03:16.553993	67	04SEP2006 00:03:16.553993	63

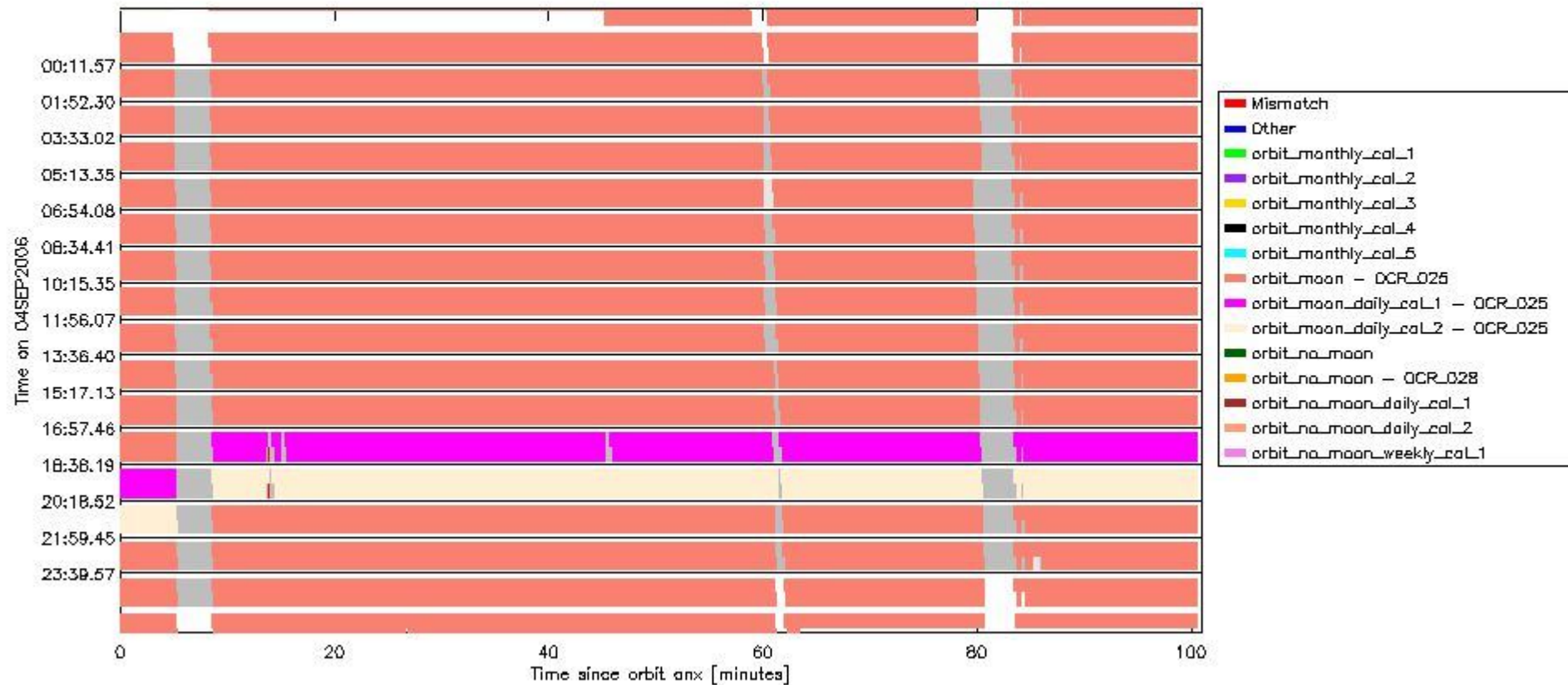


sciamachy_daily_report_level0_PFHS_5_37_N_20060904_5.PNG

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 04SEP2006.
 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_20060904_6.PNG

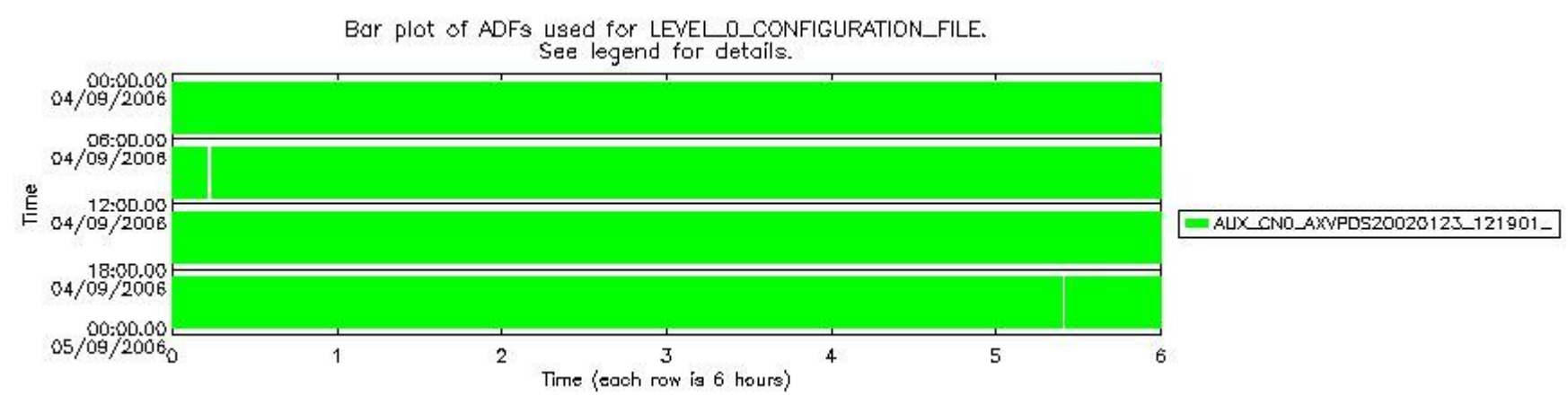
0.4 ADF monitoring

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

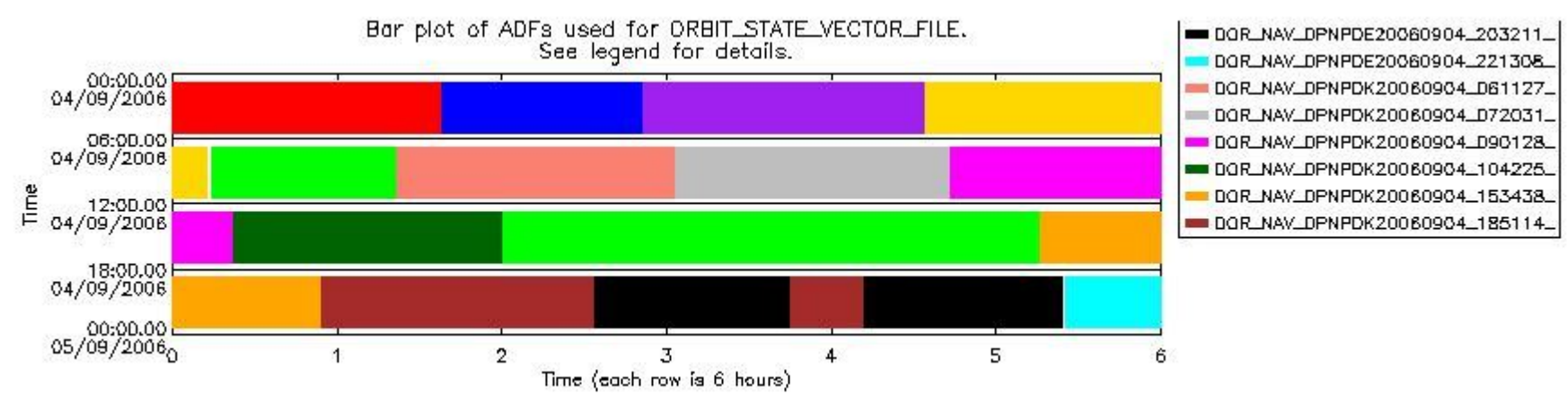
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

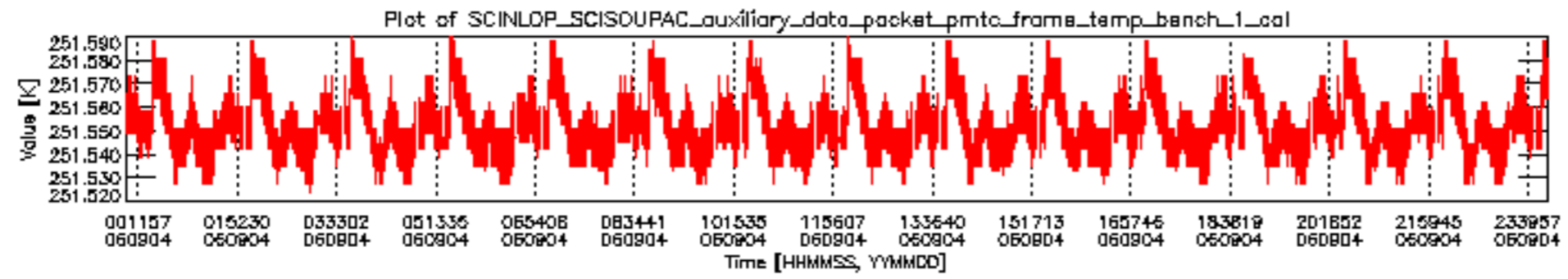
Number	ADF
	CNO (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CNO_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20060904_000724_20060903_191002_20060913_203613
2	AUX_FPO_AXVPDS20060904_000800_20060903_191002_20060913_203613
3	DOR_NAV_OPNPDE20060903_235413_000057382050_00488_23588_0487.N1
4	DOR_NAV_OPNPDE20060904_024933_000057382050_00490_23590_0489.N1
5	DOR_NAV_OPNPDE20060904_043030_000057382050_00491_23591_0490.N1
6	DOR_NAV_OPNPDE20060904_203211_000038252050_00501_23601_0491.N1
7	DOR_NAV_OPNPDE20060904_221308_000038252051_00001_23602_0492.N1
8	DOR_NAV_OPNPDK20060904_061127_000038252050_00492_23592_0635.N1
9	DOR_NAV_OPNPDK20060904_072031_000057382050_00493_23593_0636.N1
10	DOR_NAV_OPNPDK20060904_090128_000057382050_00494_23594_0637.N1
11	DOR_NAV_OPNPDK20060904_104225_000054192050_00495_23595_0638.N1
12	DOR_NAV_OPNPDK20060904_153438_000057382050_00498_23598_0641.N1
13	DOR_NAV_OPNPDK20060904_185114_000057382050_00500_23600_0643.N1

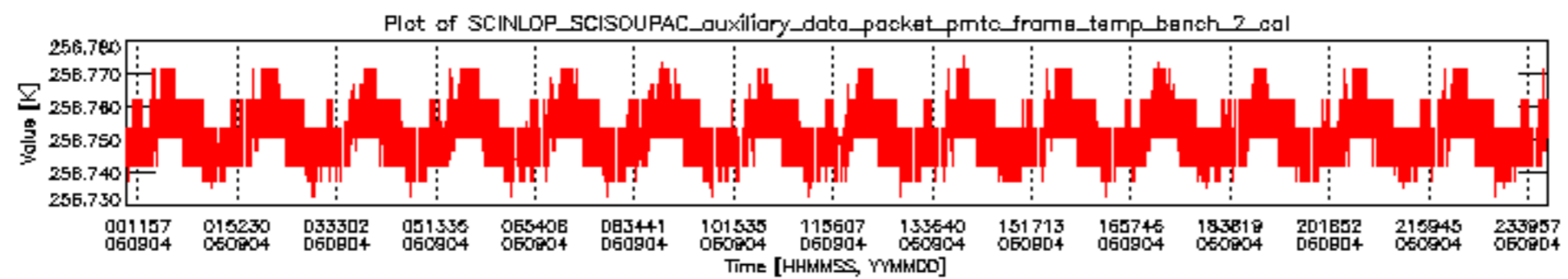


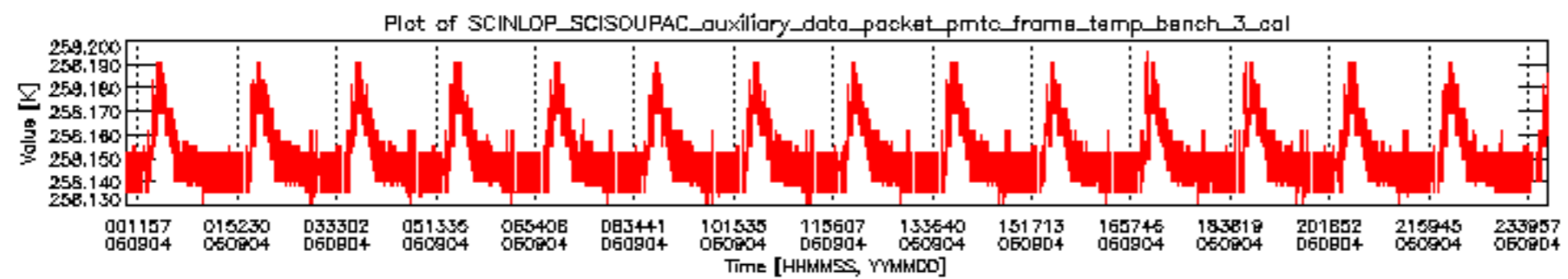
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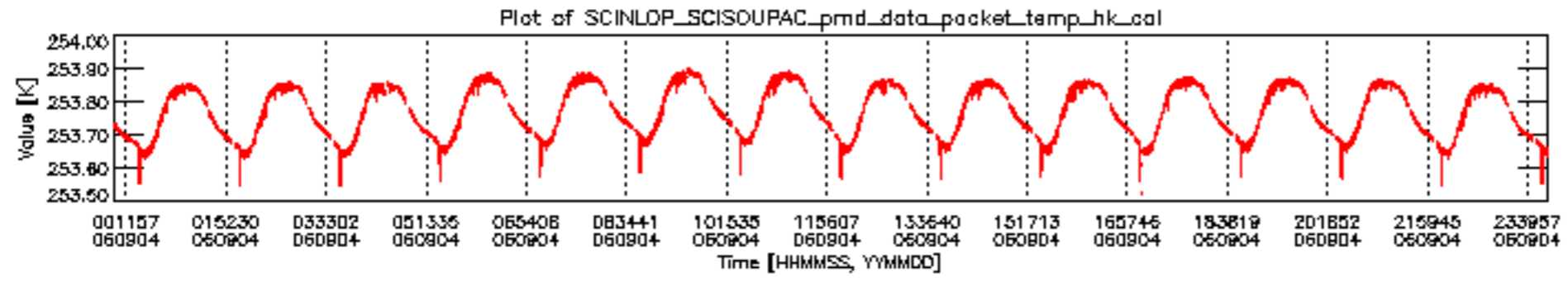


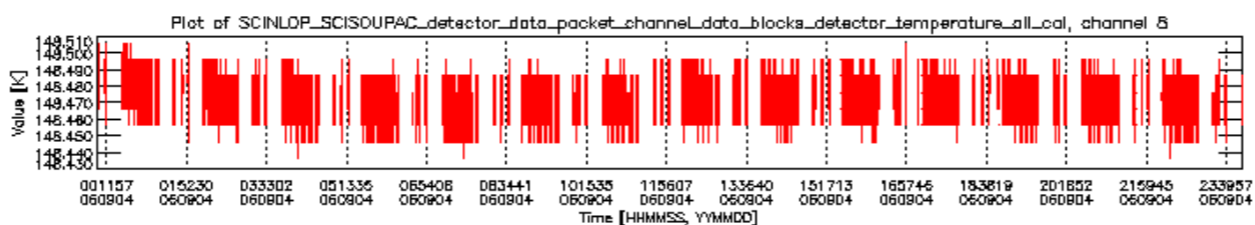
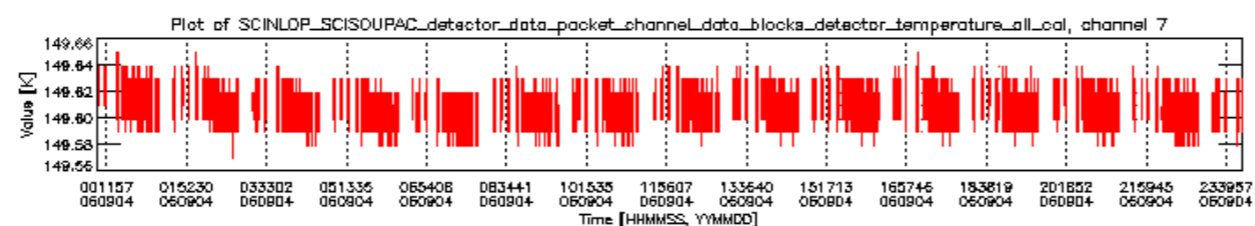
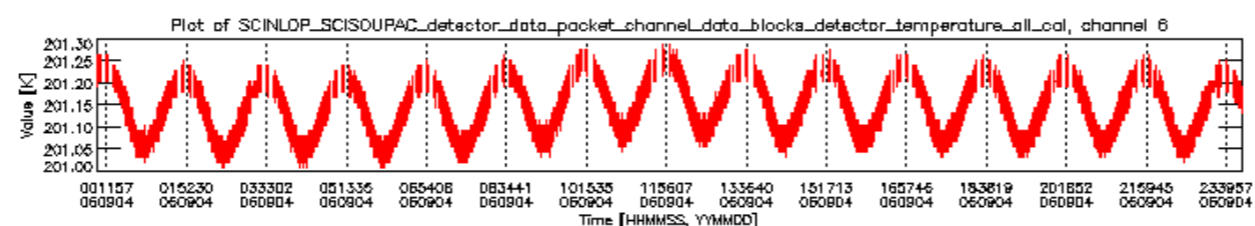
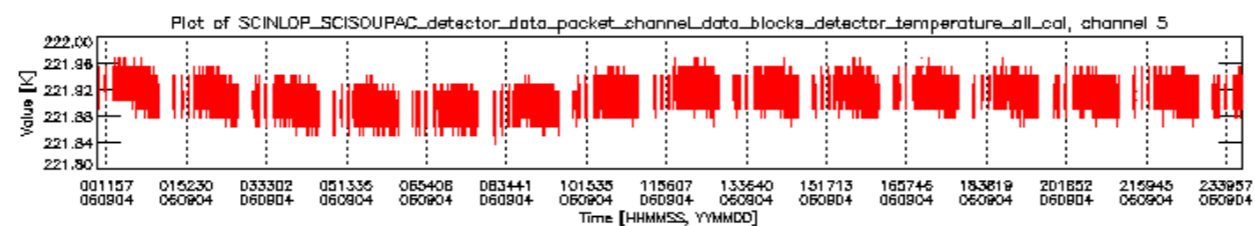
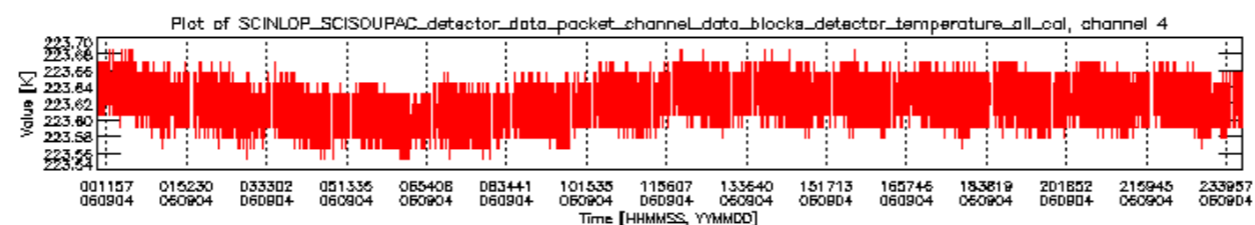
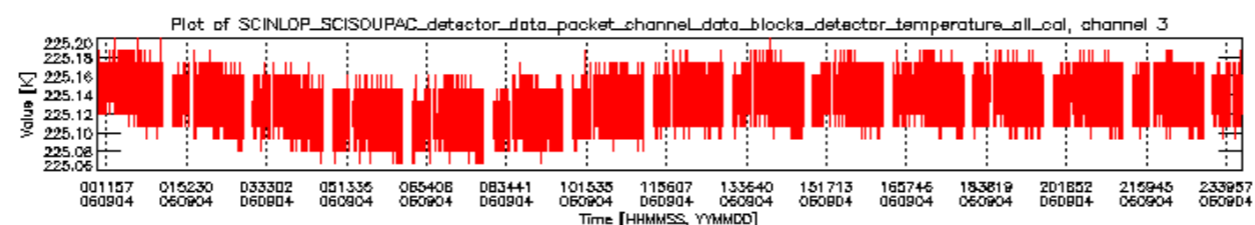
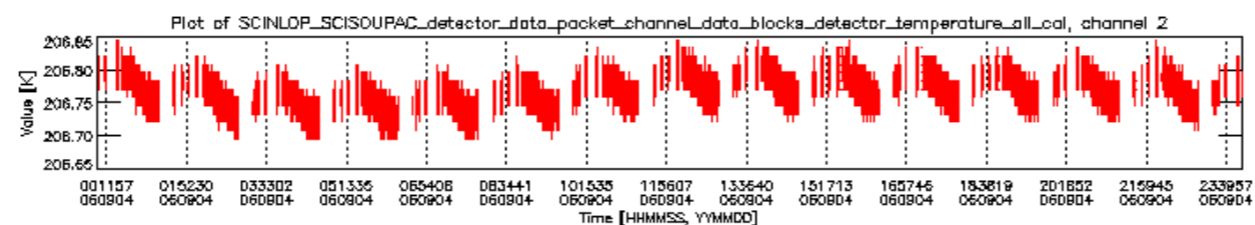
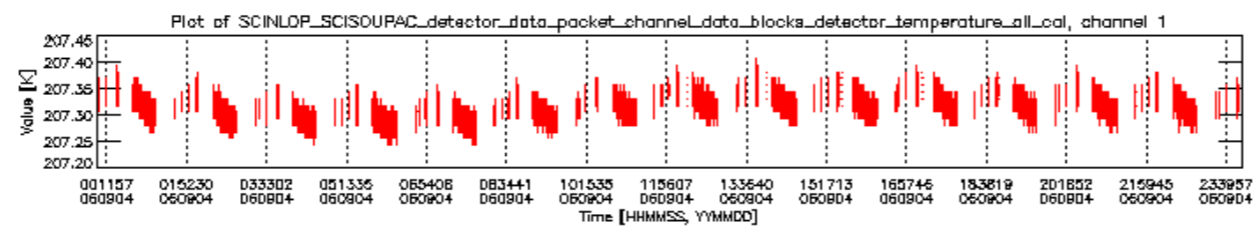
sciamachy_daily_report_level0_PFHS_5_37_N_20060904_8.PNG

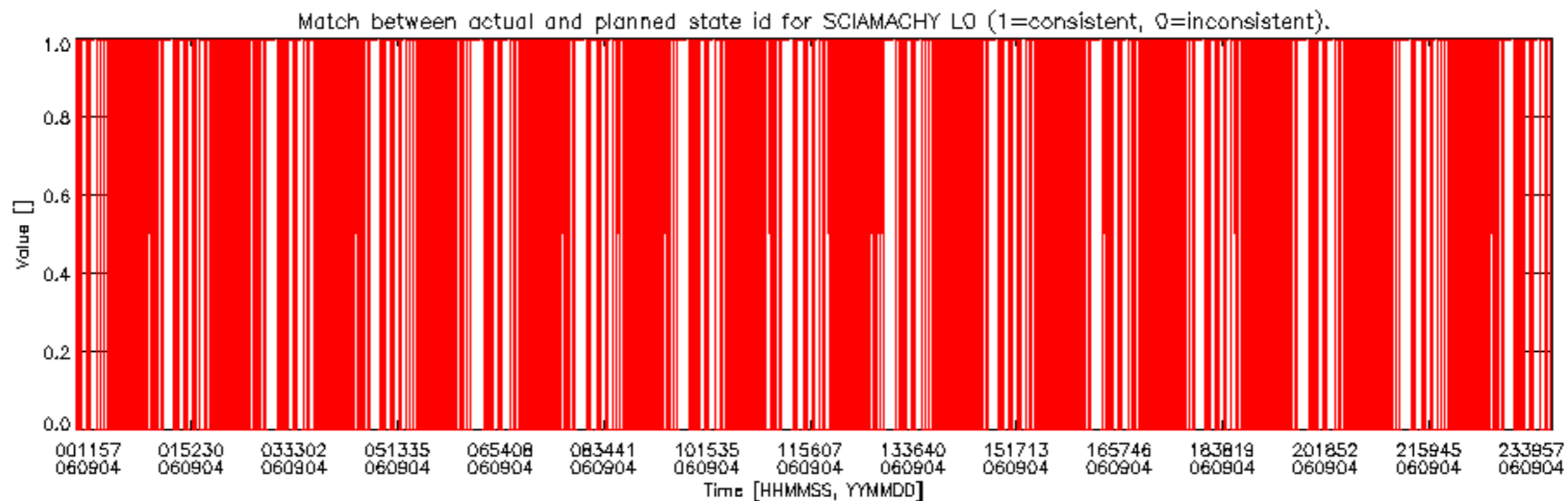
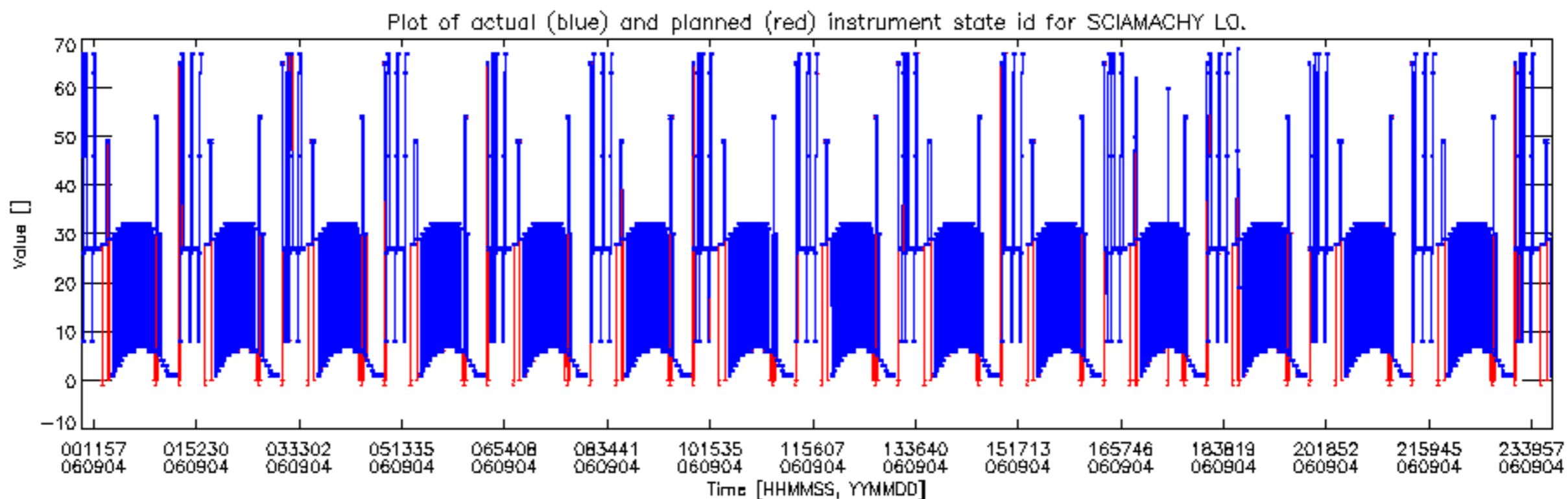












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