

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	02OCT2006 13:09:34
Data source version	PFHS/5.37-N
Processing scope for products	24SEP2006 00:00:00 to 25SEP2006 00:00:00
Start time of first product within scope	23SEP2006 23:29:59
Stop time of last product within scope	25SEP2006 00:39:50
Total number of level 0 products	16
Number of level 0 products with errors	16

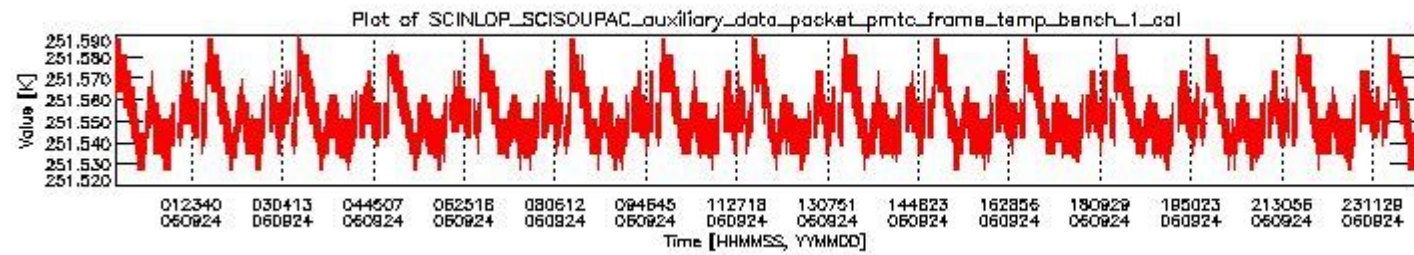
0.1.2 Summary per product

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

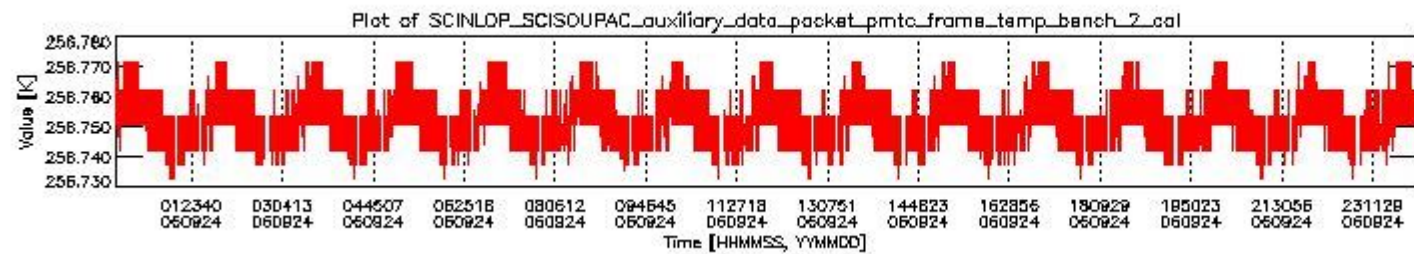
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20060923_232959_000060802051_00273_23874_0657.N1	23SEP2006 23:29:59	24SEP2006 01:11:19	1	0	1	0	0
1	SCI_NL__OPNPDE20060924_010951_000043872051_00274_23875_0658.N1	24SEP2006 01:09:51	24SEP2006 02:22:59	1	0	1	0	0
2	SCI_NL__OPNPDE20060924_022259_000061052051_00275_23876_0659.N1	24SEP2006 02:22:59	24SEP2006 04:04:44	1	0	1	0	0
3	SCI_NL__OPNPDE20060924_040336_000060922051_00276_23877_0661.N1	24SEP2006 04:03:36	24SEP2006 05:45:08	1	0	1	0	0
4	SCI_NL__OPNPDE20060924_054412_000062292051_00277_23878_0662.N1	24SEP2006 05:44:12	24SEP2006 07:28:02	1	0	1	0	0
5	SCI_NL__OPNPDK20060924_072653_000039772051_00278_23879_0806.N1	24SEP2006 07:26:53	24SEP2006 08:33:10	1	0	1	0	0
6	SCI_NL__OPNPDK20060924_083310_000061042051_00279_23880_0807.N1	24SEP2006 08:33:10	24SEP2006 10:14:55	1	0	1	0	0
7	SCI_NL__OPNPDK20060924_101455_000059672051_00280_23881_0808.N1	24SEP2006 10:14:55	24SEP2006 11:54:23	1	0	1	0	0
8	SCI_NL__OPNPDK20060924_115327_000059802051_00281_23882_0809.N1	24SEP2006 11:53:27	24SEP2006 13:33:08	1	0	1	0	0
9	SCI_NL__OPNPDK20060924_133159_000059122051_00282_23883_0810.N1	24SEP2006 13:31:59	24SEP2006 15:10:31	1	0	1	0	0
10	SCI_NL__OPNPDK20060924_150923_000059242051_00283_23884_0811.N1	24SEP2006 15:09:23	24SEP2006 16:48:08	1	0	1	0	0
11	SCI_NL__OPNPDK20060924_164616_000059782051_00284_23885_0812.N1	24SEP2006 16:46:16	24SEP2006 18:25:54	1	0	1	0	0
12	SCI_NL__OPNPDK20060924_182434_000060362051_00285_23886_0813.N1	24SEP2006 18:24:34	24SEP2006 20:05:11	1	0	1	0	0
13	SCI_NL__OPNPDE20060924_200318_000044302051_00286_23887_0663.N1	24SEP2006 20:03:18	24SEP2006 21:17:09	1	0	1	0	0
14	SCI_NL__OPNPDE20060924_211625_000061702051_00286_23887_0668.N1	24SEP2006 21:16:25	24SEP2006 22:59:16	1	0	1	0	0
15	SCI_NL__OPNPDE20060924_225829_000060802051_00287_23888_0665.N1	24SEP2006 22:58:29	25SEP2006 00:39:50	1	0	1	0	0

0.2 Product Quality Indicators

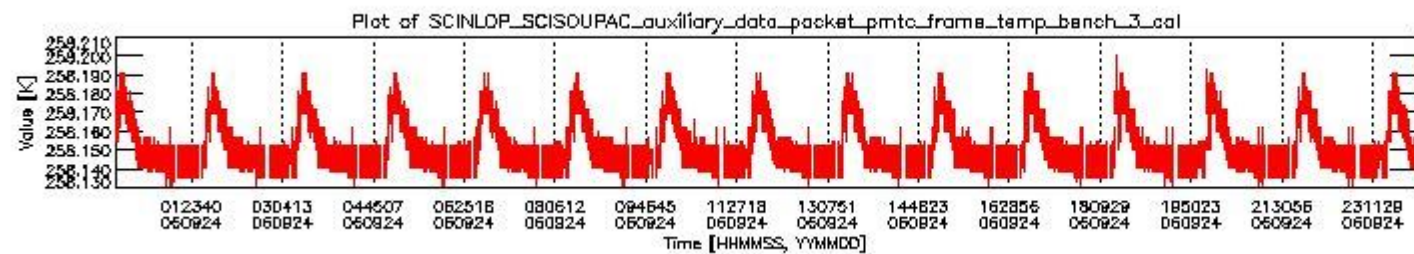
This section shows information about product quality, currently temperatures.



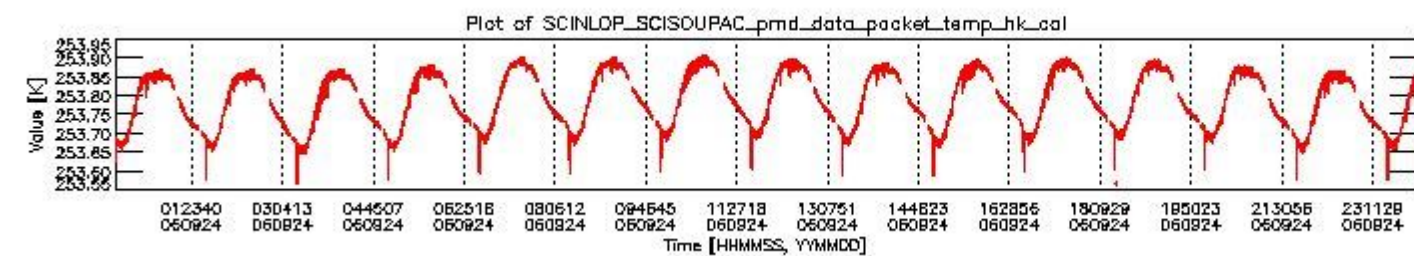
sciamachy_daily_report_level0_PFHS_5_37_N_20060924_0.PNG



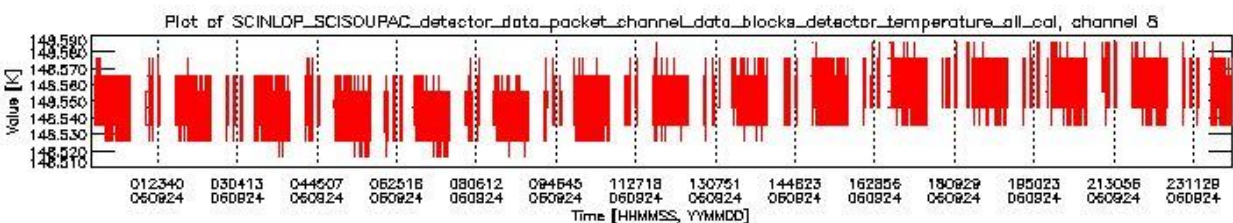
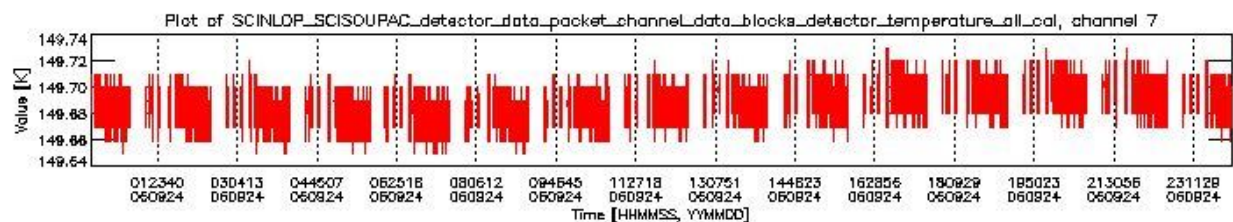
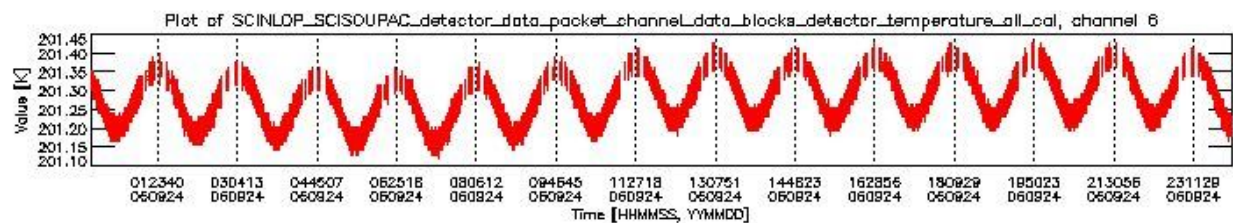
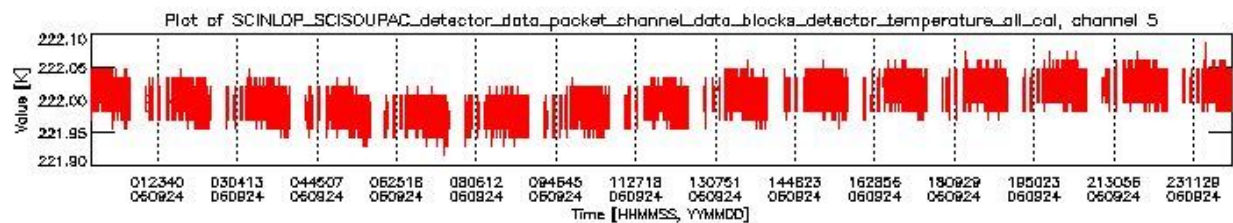
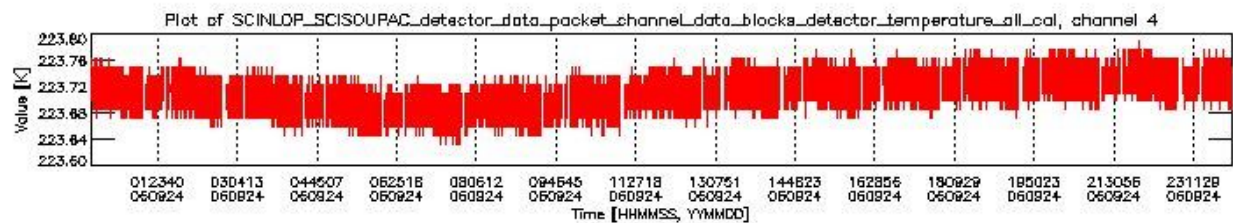
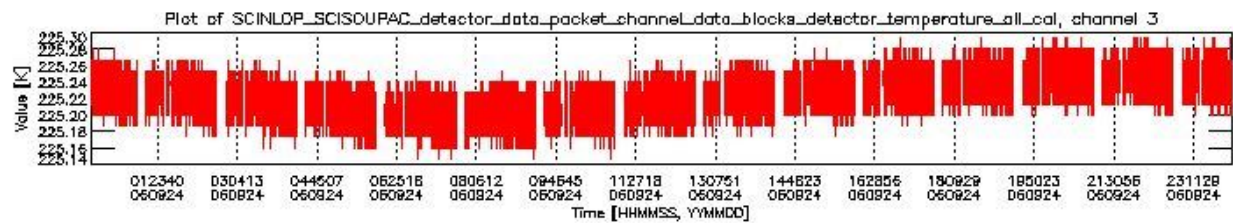
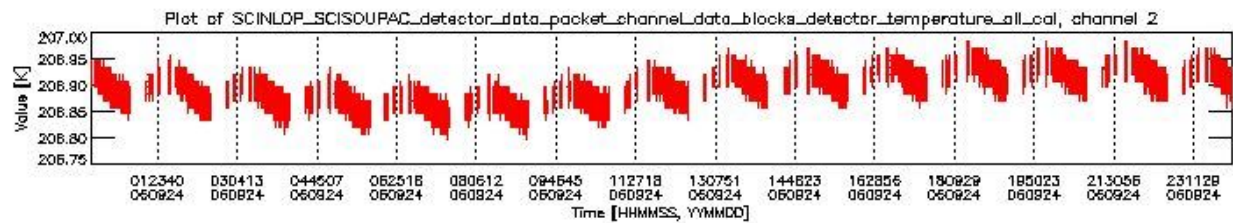
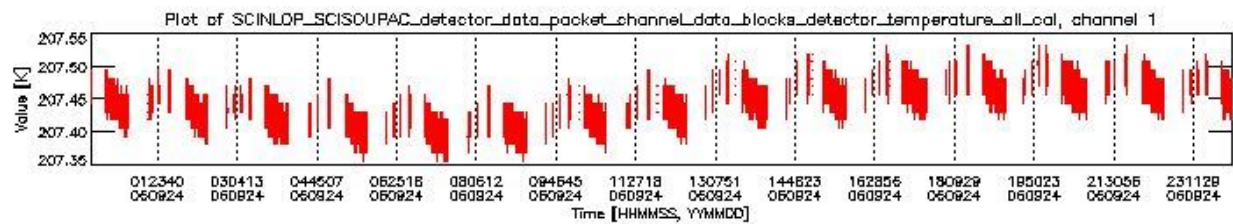
sciamachy_daily_report_level0_PFHS_5_37_N_20060924_1.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20060924_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20060924_3.PNG

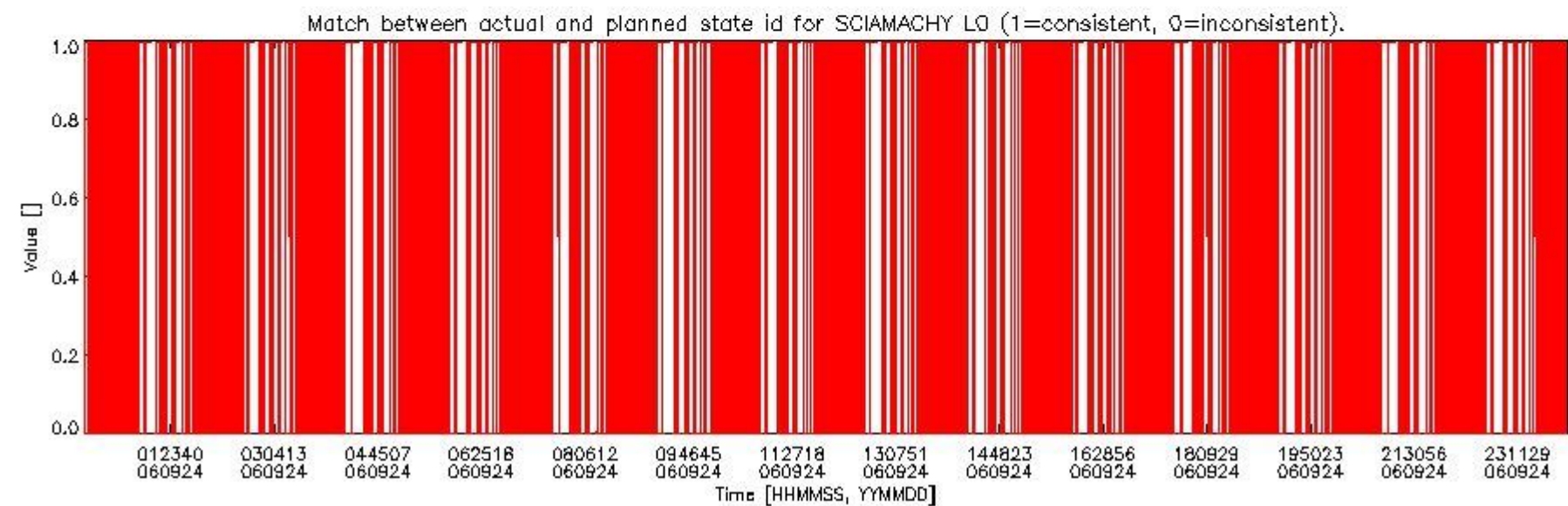
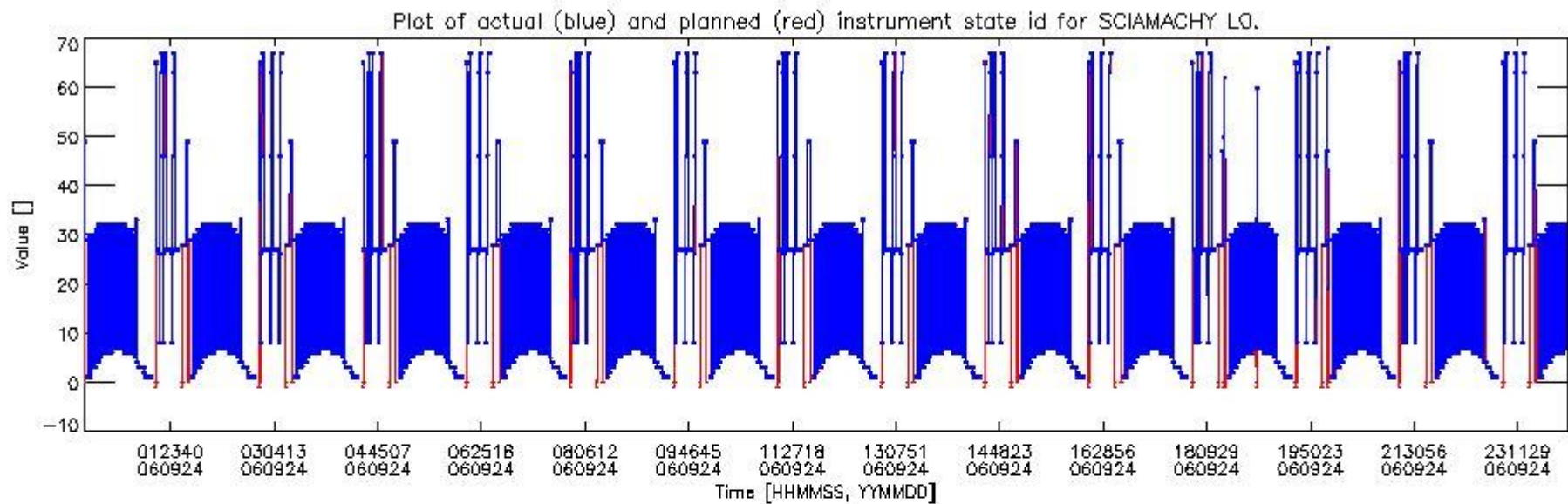


0.3 State monitoring

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: **10291**

#	Actual time	Actual value	Planned time	Planned value
0	24SEP2006 00:00:11.547554	29	24SEP2006 00:00:11.547554	0
1	24SEP2006 00:00:12.172535	29	24SEP2006 00:00:12.172535	0
2	24SEP2006 00:00:12.547548	29	24SEP2006 00:00:12.547548	0
3	24SEP2006 00:00:12.922561	29	24SEP2006 00:00:12.922561	0
4	24SEP2006 00:00:13.485061	29	24SEP2006 00:00:13.485061	0
5	24SEP2006 00:00:13.860033	29	24SEP2006 00:00:13.860033	0
6	24SEP2006 00:02:59.156904	1	24SEP2006 00:02:59.156904	29
7	24SEP2006 00:02:59.406913	1	24SEP2006 00:02:59.406913	29
8	24SEP2006 00:02:59.531917	1	24SEP2006 00:02:59.531917	29
9	24SEP2006 00:02:59.656921	1	24SEP2006 00:02:59.656921	29
10	24SEP2006 00:02:59.781926	1	24SEP2006 00:02:59.781926	29
11	24SEP2006 00:02:59.906930	1	24SEP2006 00:02:59.906930	29
12	24SEP2006 00:03:00.031934	1	24SEP2006 00:03:00.031934	29
13	24SEP2006 00:03:00.156939	1	24SEP2006 00:03:00.156939	29
14	24SEP2006 00:03:00.281903	1	24SEP2006 00:03:00.281903	29
15	24SEP2006 00:03:00.406907	1	24SEP2006 00:03:00.406907	29
16	24SEP2006 00:03:00.531912	1	24SEP2006 00:03:00.531912	29
17	24SEP2006 00:03:00.656916	1	24SEP2006 00:03:00.656916	29
18	24SEP2006 00:03:00.781920	1	24SEP2006 00:03:00.781920	29
19	24SEP2006 00:03:00.906925	1	24SEP2006 00:03:00.906925	29
...

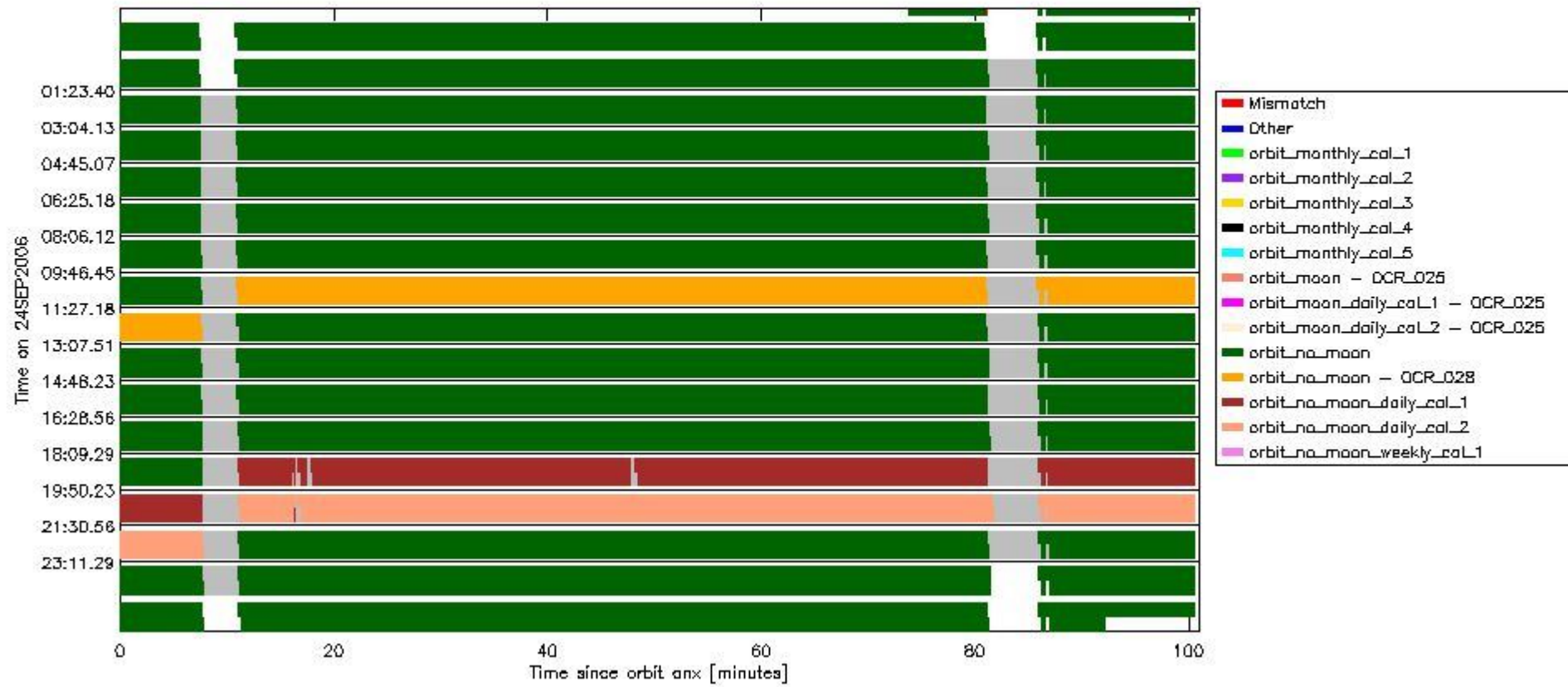


sciamachy_daily_report_level0_PFHS_5_37_N_20060924_5.PNG

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 24SEP2006.
 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_20060924_6.PNG

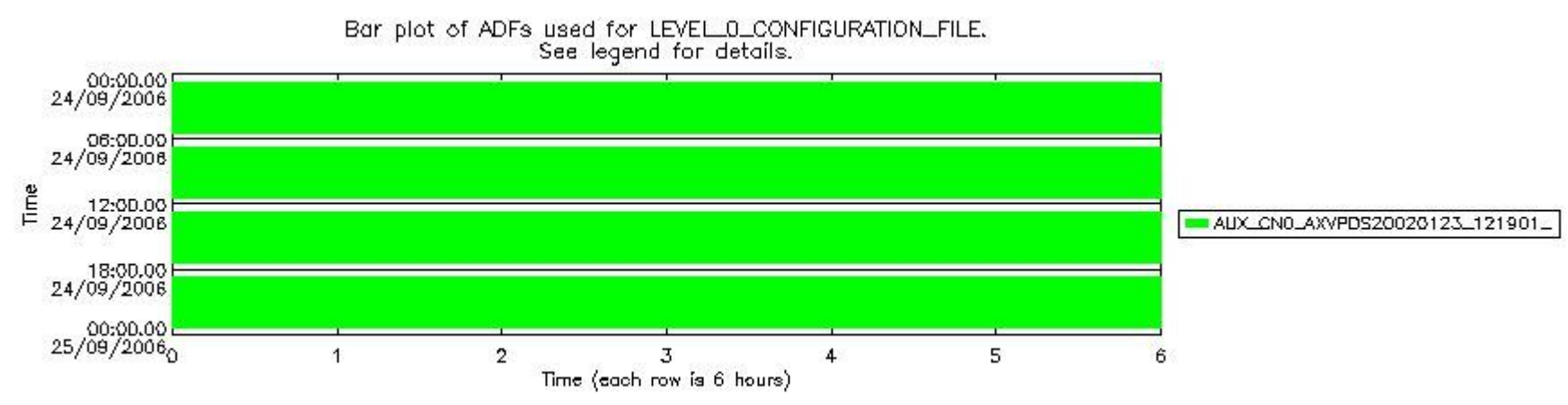
0.4 ADF monitoring

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

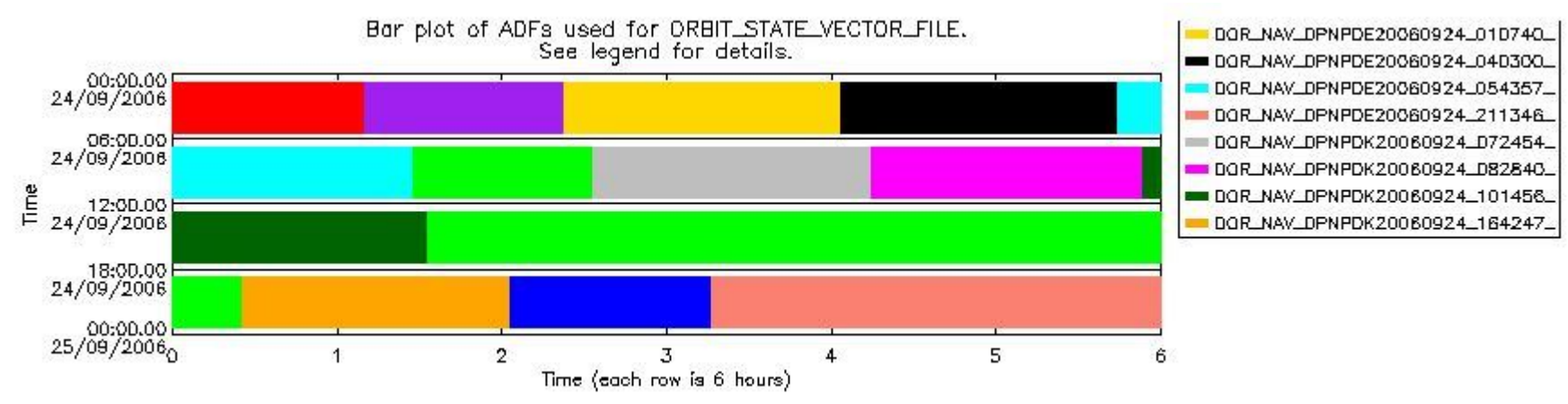
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

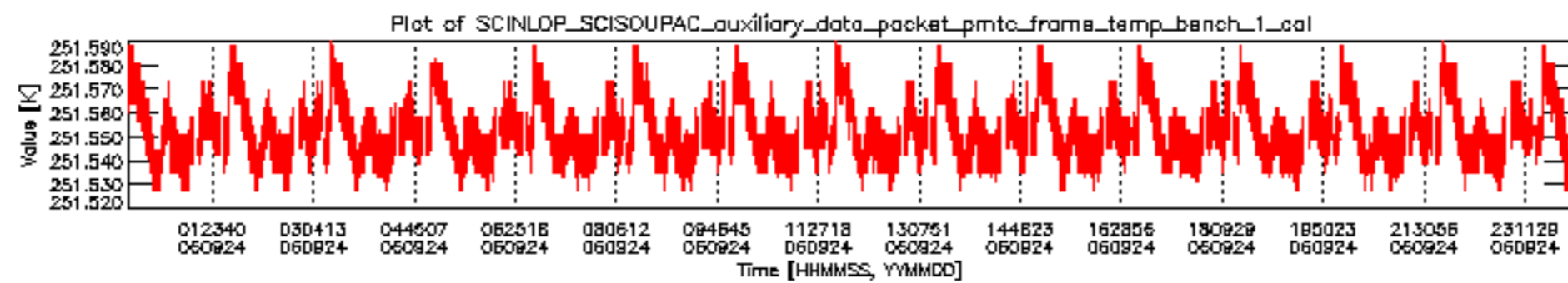
Number	ADF
	CNO (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CNO_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20060923_234859_20060923_184117_20061003_200733
2	AUX_FPO_AXVPDS20060923_234956_20060923_184117_20061003_200733
3	DOR_NAV_OPNPDE20060923_214546_000057382051_00272_23873_0623.N1
4	DOR_NAV_OPNPDE20060923_232643_000057382051_00273_23874_0624.N1
5	DOR_NAV_OPNPDE20060924_010740_000041442051_00274_23875_0625.N1
6	DOR_NAV_OPNPDE20060924_040300_000057382051_00276_23877_0627.N1
7	DOR_NAV_OPNPDE20060924_054357_000057382051_00277_23878_0628.N1
8	DOR_NAV_OPNPDE20060924_211346_000057382051_00286_23887_0630.N1
9	DOR_NAV_OPNPDK20060924_072454_000035062051_00278_23879_0840.N1
10	DOR_NAV_OPNPDK20060924_082840_000060572051_00279_23880_0841.N1
11	DOR_NAV_OPNPDK20060924_101456_000054192051_00280_23881_0842.N1
12	DOR_NAV_OPNPDK20060924_164247_000057382051_00284_23885_0846.N1

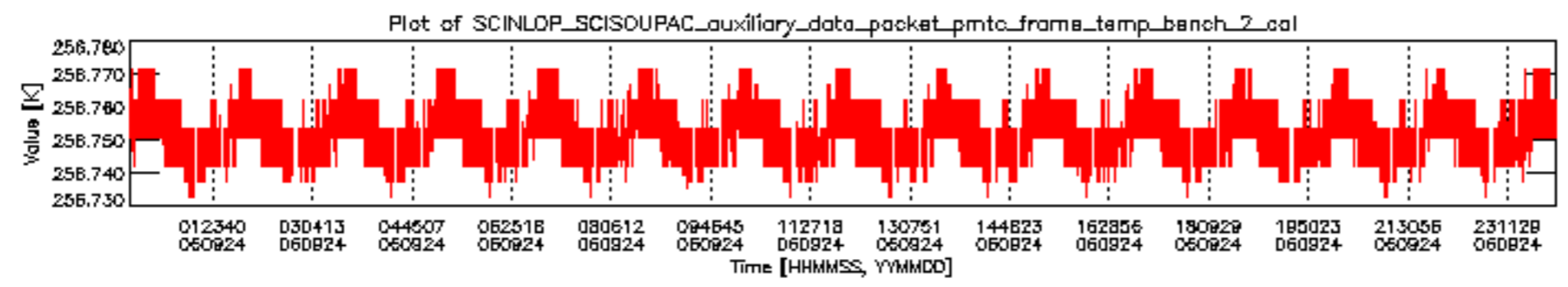


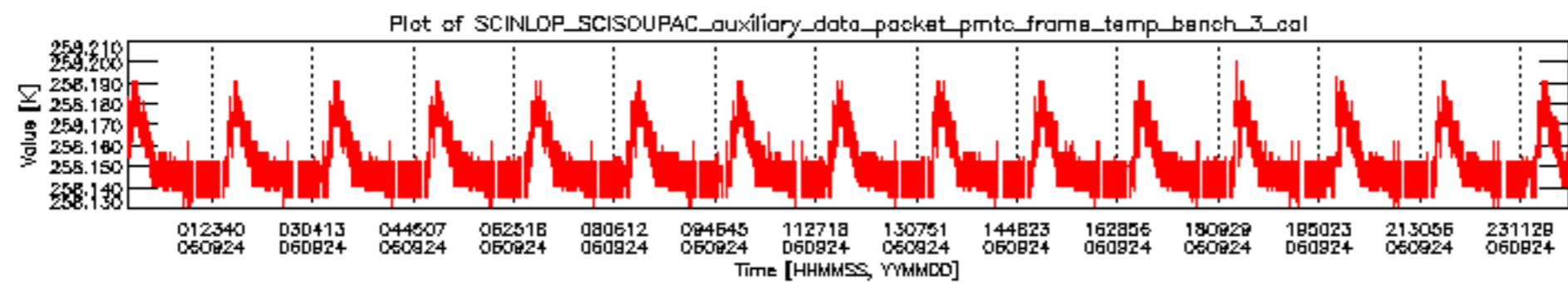
sciamachy_daily_report_level0_PFHS_5_37_N_20060924_7.PNG

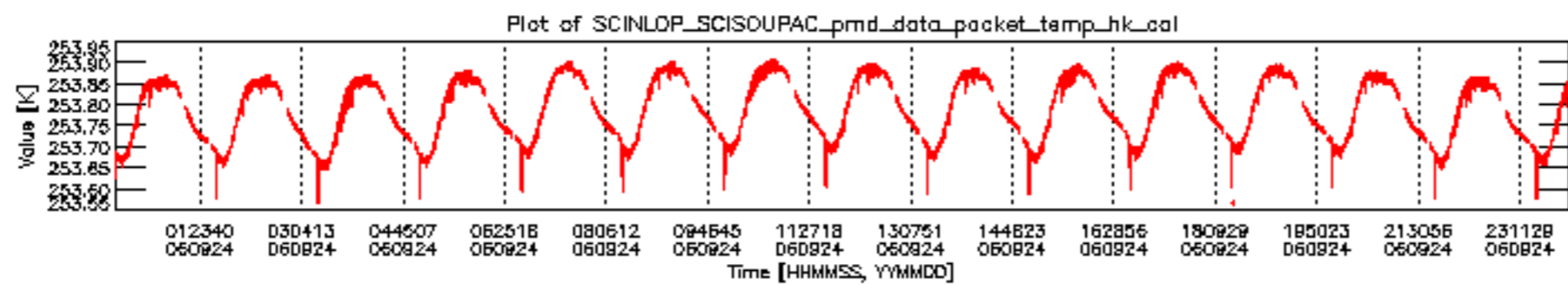


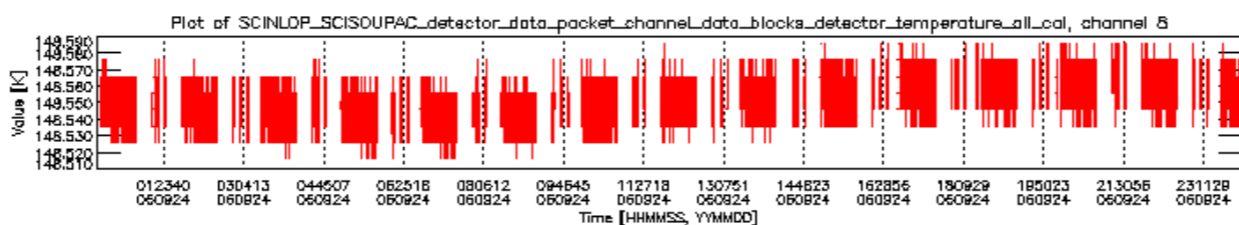
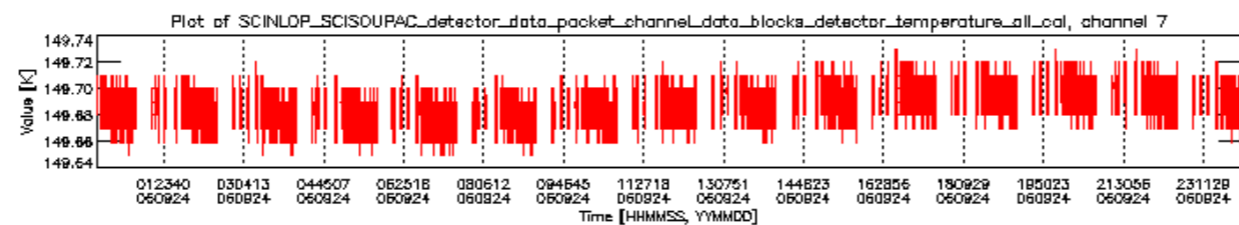
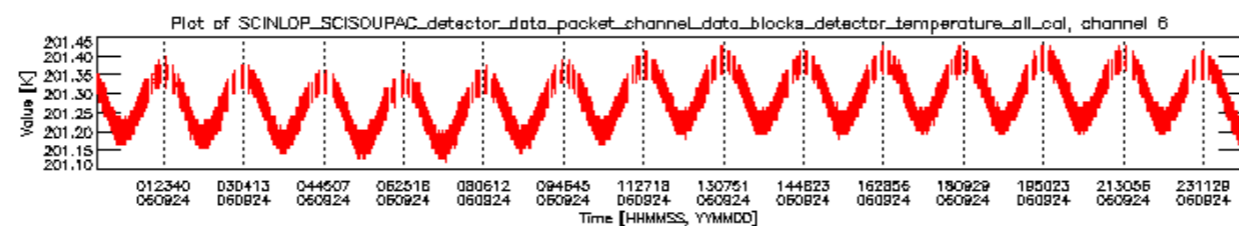
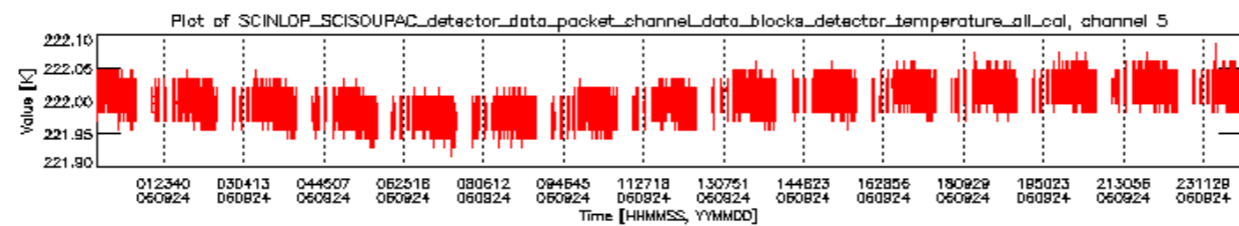
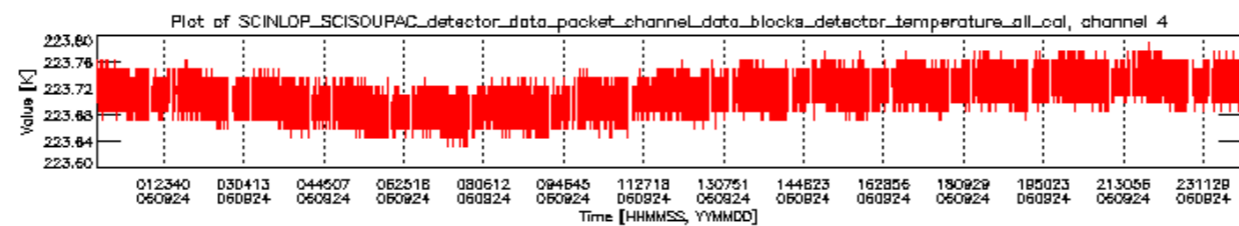
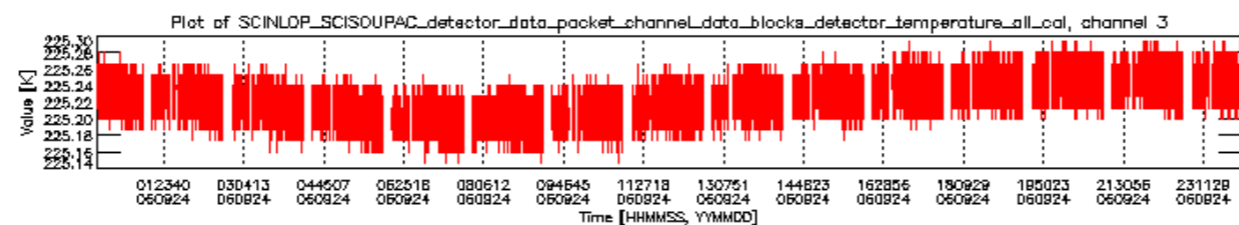
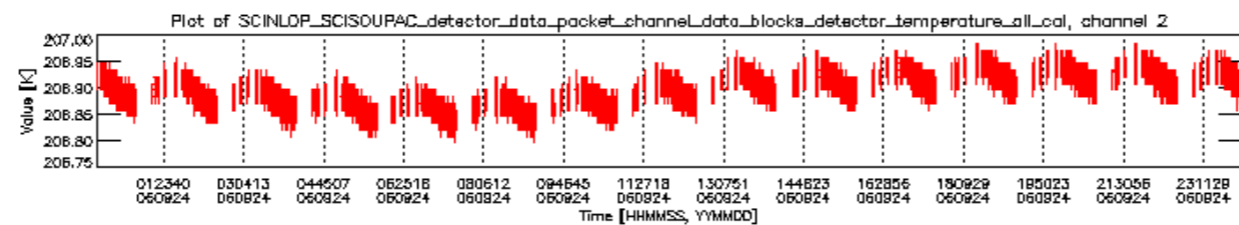
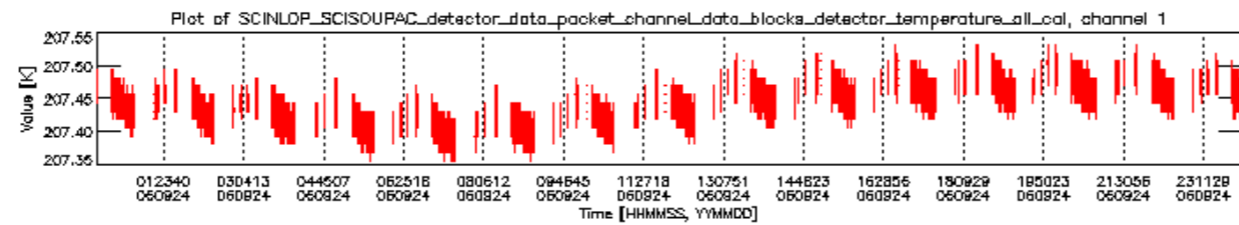
sciamachy_daily_report_level0_PFHS_5_37_N_20060924_8.PNG

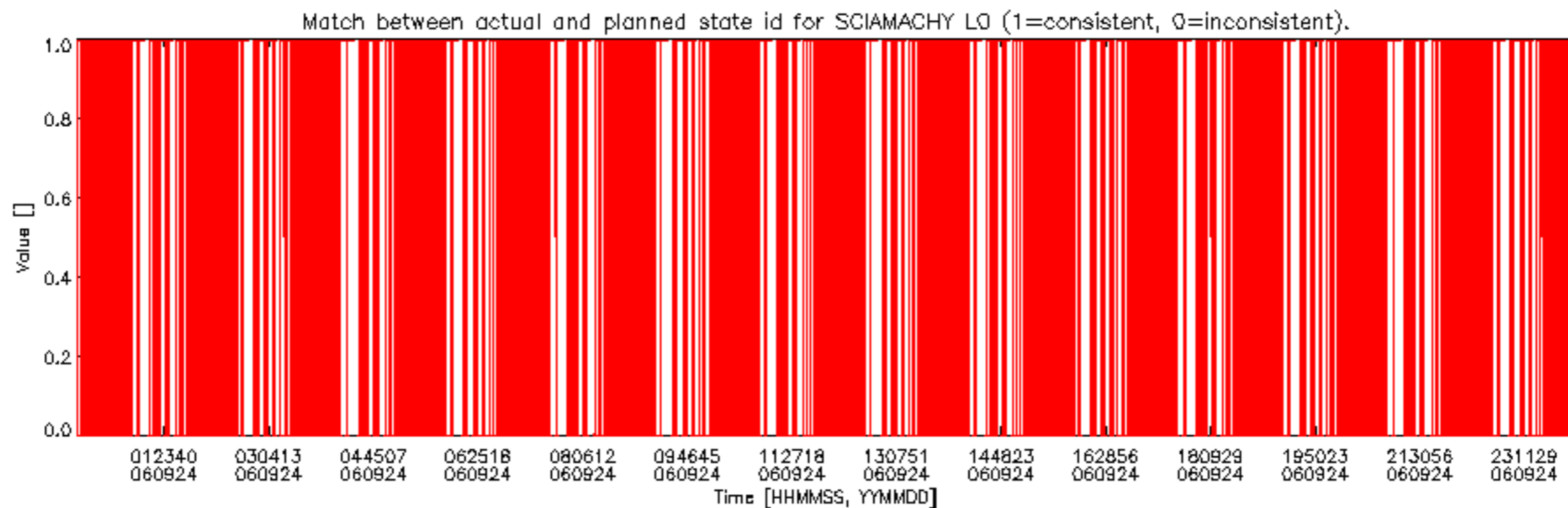
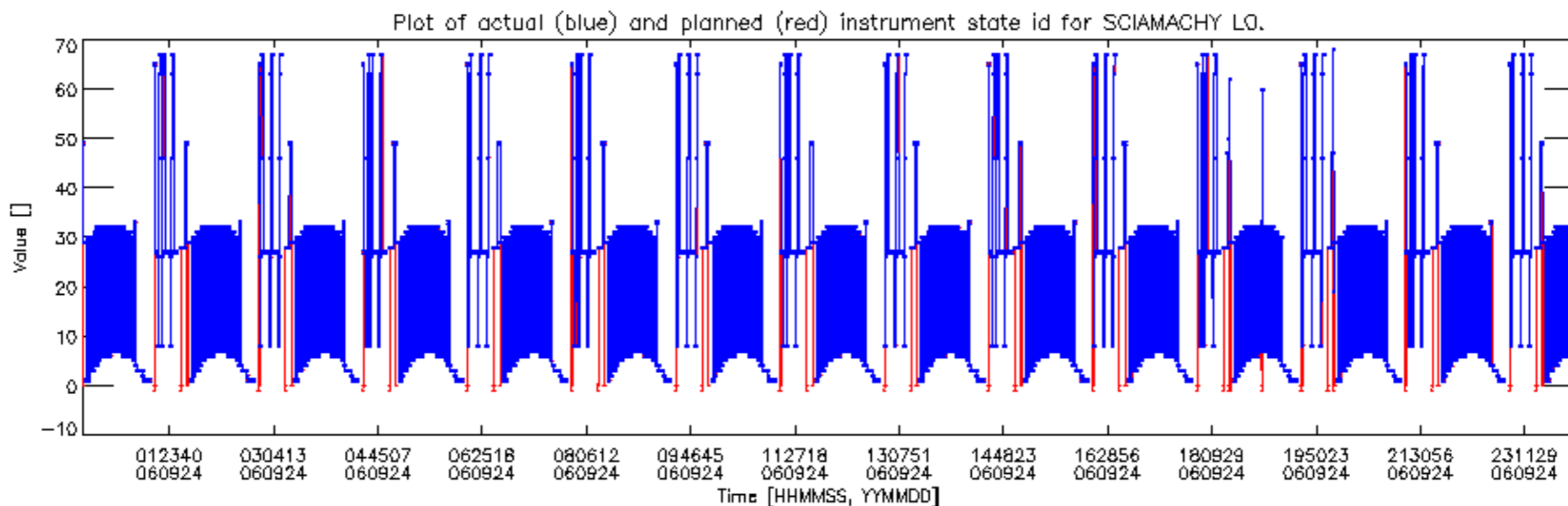












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