

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	17SEP2006 09:18:52
Data source version	PFHS/5.37-N
Processing scope for products	13SEP2006 00:00:00 to 14SEP2006 00:00:00
Start time of first product within scope	12SEP2006 22:34:31
Stop time of last product within scope	14SEP2006 01:25:01
Total number of level 0 products	9
Number of level 0 products with errors	9

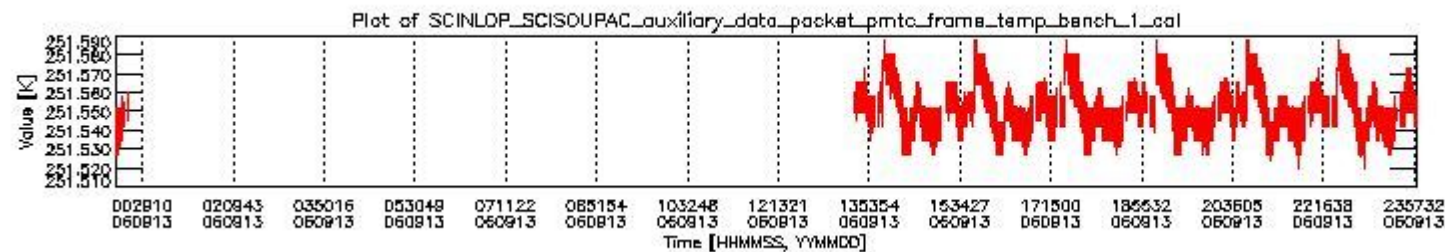
0.1.2 Summary per product

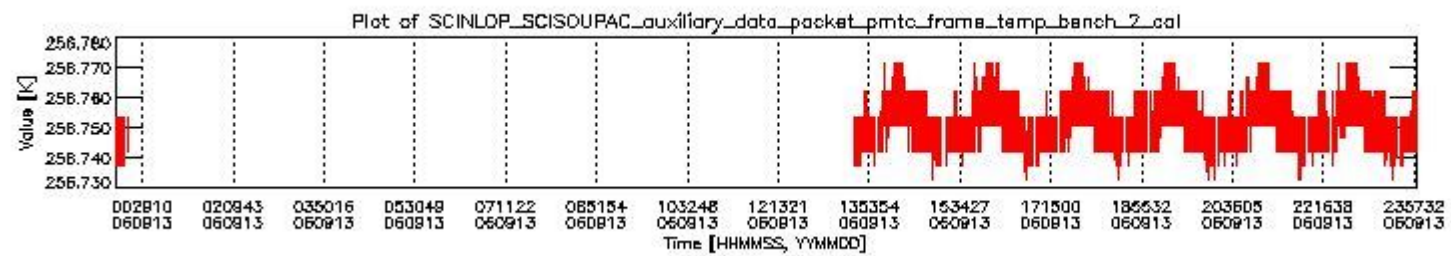
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDE20060912_223431_000059152051_00115_23716_0581.N1	12SEP2006 22:34:31	13SEP2006 00:13:06	1	0	1	0	0
1	SCI_NL__0PNPDK20060913_133758_000023702051_00124_23725_0707.N1	13SEP2006 13:37:58	13SEP2006 14:17:28	1	0	1	0	0
2	SCI_NL__0PNPDK20060913_141633_000059802051_00125_23726_0708.N1	13SEP2006 14:16:33	13SEP2006 15:56:13	1	0	1	0	0
3	SCI_NL__0PNPDK20060913_155409_000057792051_00126_23727_0709.N1	13SEP2006 15:54:09	13SEP2006 17:30:29	1	0	1	0	0
4	SCI_NL__0PNPDK20060913_172831_000061942051_00127_23728_0710.N1	13SEP2006 17:28:31	13SEP2006 19:11:46	1	0	1	0	0
5	SCI_NL__0PNPDK20060913_191105_000059192051_00128_23729_0711.N1	13SEP2006 19:11:05	13SEP2006 20:49:44	1	0	1	0	0
6	SCI_NL__0PNPDE20060913_204944_000044432051_00129_23730_0583.N1	13SEP2006 20:49:44	13SEP2006 22:03:48	1	0	1	0	0
7	SCI_NL__0PNPDE20060913_220227_000062152051_00129_23730_0584.N1	13SEP2006 22:02:27	13SEP2006 23:46:03	1	0	1	0	0
8	SCI_NL__0PNPDE20060913_234516_000059842051_00130_23731_0585.N1	13SEP2006 23:45:16	14SEP2006 01:25:01	1	0	1	0	0

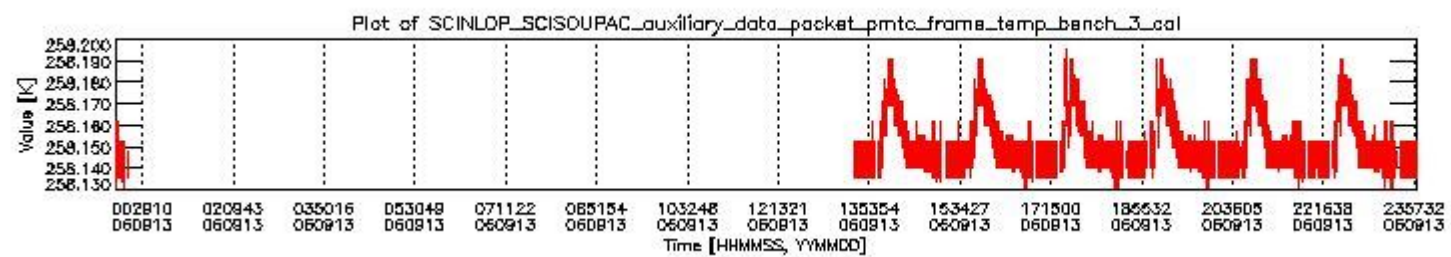
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

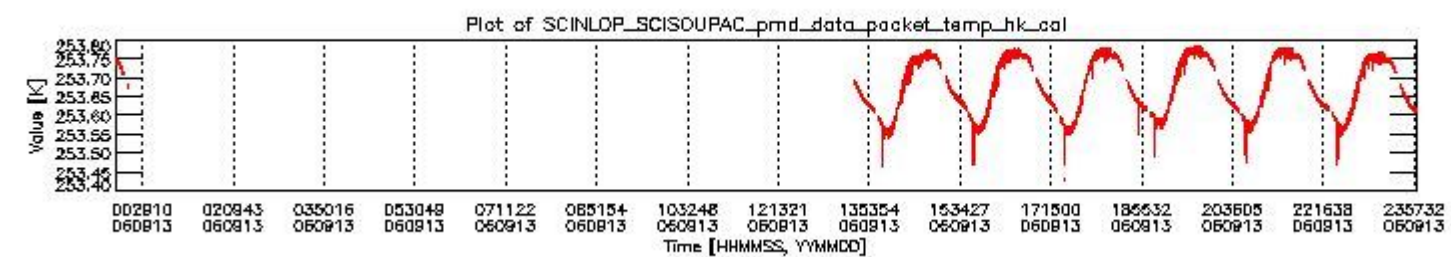




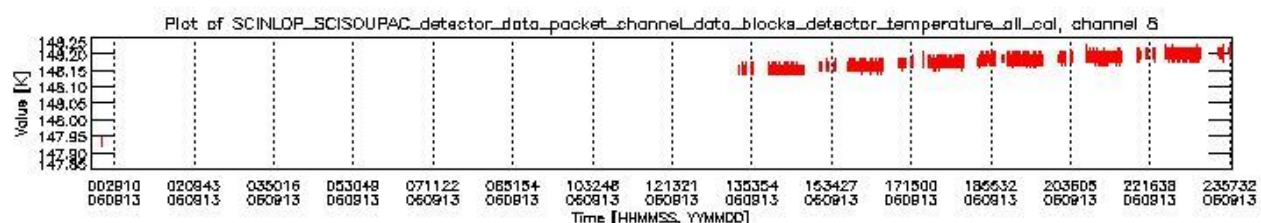
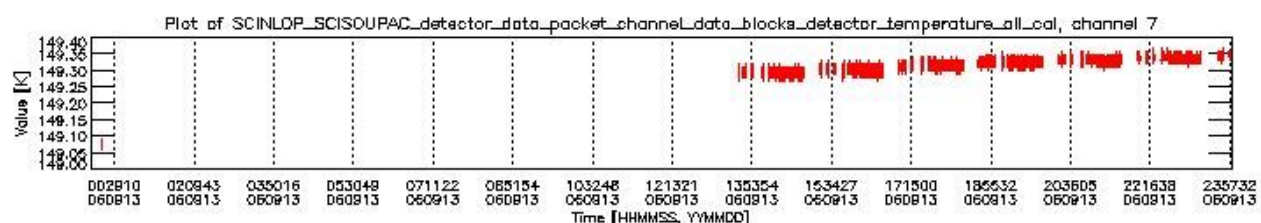
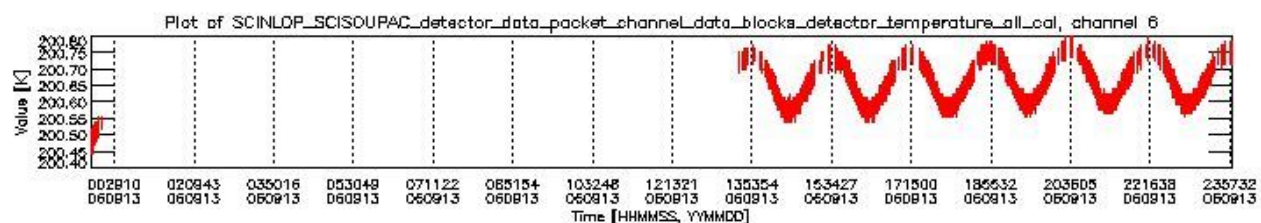
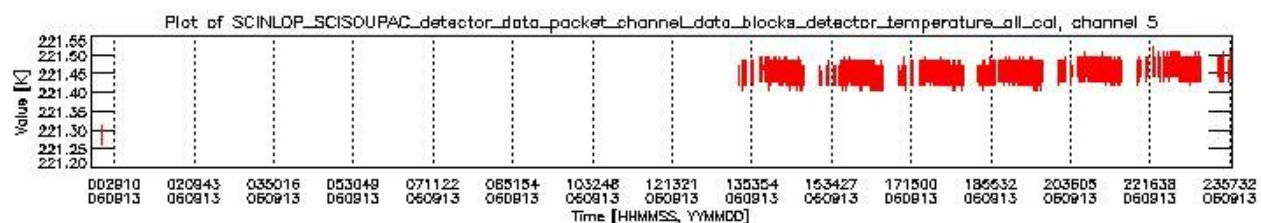
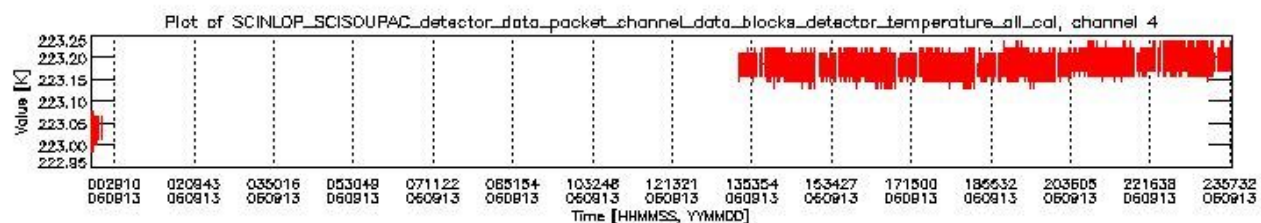
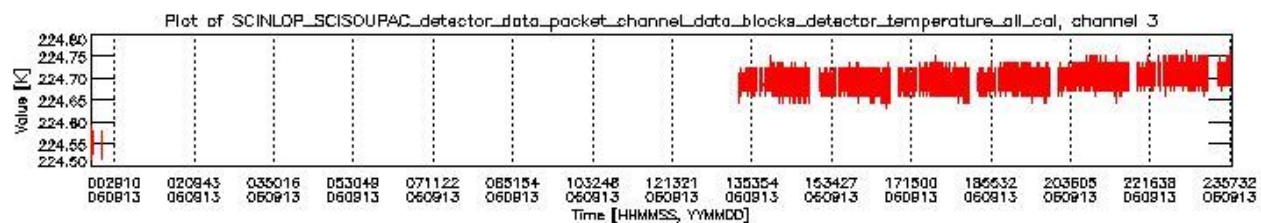
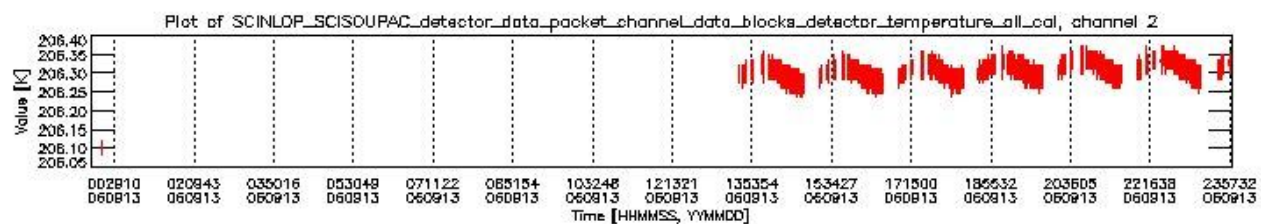
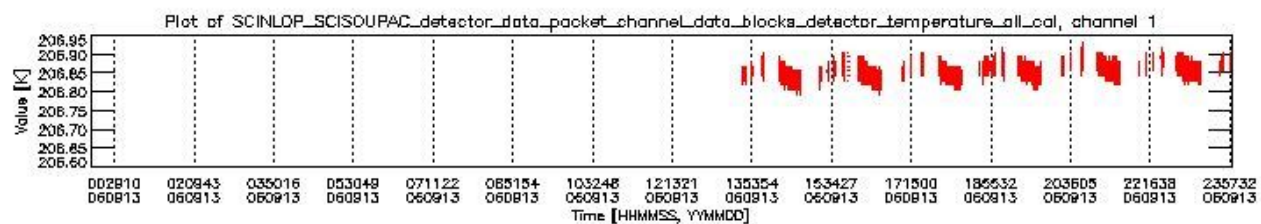
sciamachy_daily_report_level0_PFHS_5_37_N_20060913_1.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20060913_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20060913_3.PNG

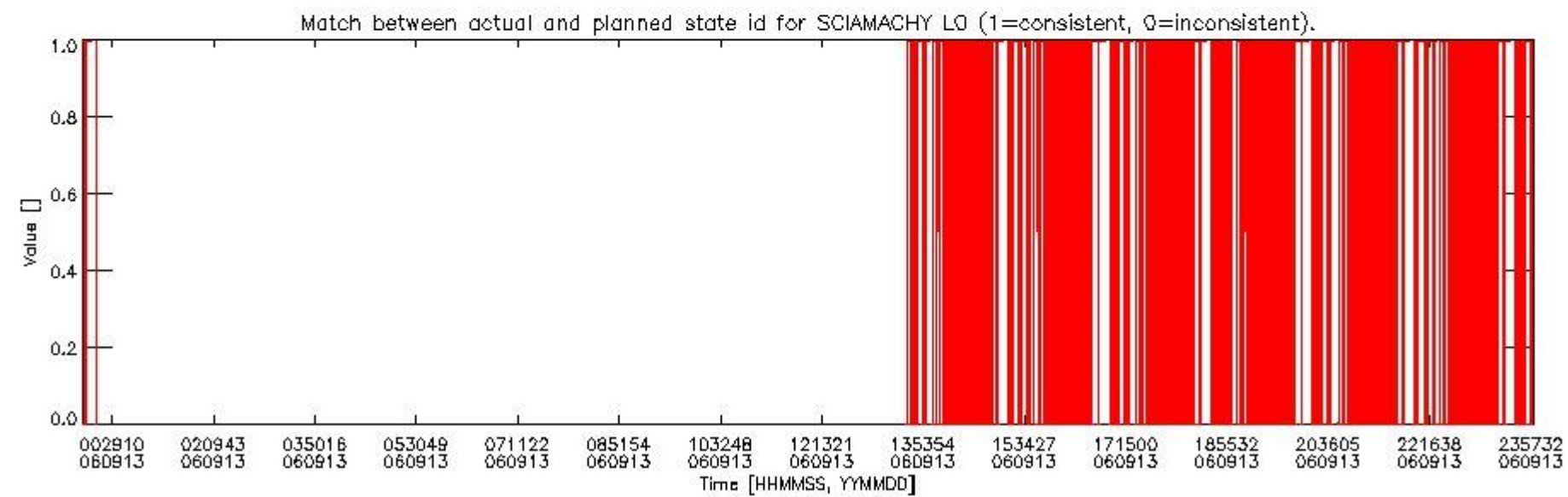
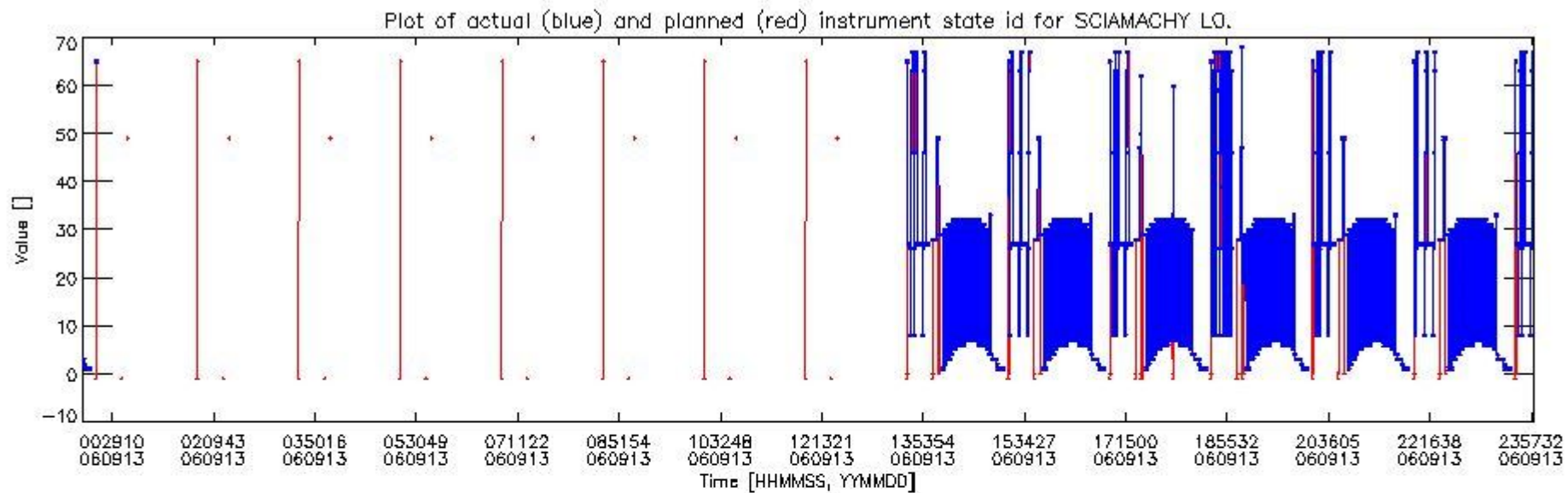


0.3 State monitoring

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: **11175**

#	Actual time	Actual value	Planned time	Planned value
0	13SEP2006 00:01:29.567086	2	13SEP2006 00:01:29.567086	3
1	13SEP2006 00:01:29.817095	2	13SEP2006 00:01:29.817095	3
2	13SEP2006 00:01:29.942099	2	13SEP2006 00:01:29.942099	3
3	13SEP2006 00:01:30.067063	2	13SEP2006 00:01:30.067063	3
4	13SEP2006 00:01:30.192068	2	13SEP2006 00:01:30.192068	3
5	13SEP2006 00:01:30.317072	2	13SEP2006 00:01:30.317072	3
6	13SEP2006 00:01:30.442076	2	13SEP2006 00:01:30.442076	3
7	13SEP2006 00:01:30.567081	2	13SEP2006 00:01:30.567081	3
8	13SEP2006 00:01:30.692085	2	13SEP2006 00:01:30.692085	3
9	13SEP2006 00:01:30.817089	2	13SEP2006 00:01:30.817089	3
10	13SEP2006 00:01:30.942094	2	13SEP2006 00:01:30.942094	3
11	13SEP2006 00:01:31.067098	2	13SEP2006 00:01:31.067098	3
12	13SEP2006 00:01:31.192062	2	13SEP2006 00:01:31.192062	3
13	13SEP2006 00:01:31.317067	2	13SEP2006 00:01:31.317067	3
14	13SEP2006 00:01:31.442071	2	13SEP2006 00:01:31.442071	3
15	13SEP2006 00:01:31.567075	2	13SEP2006 00:01:31.567075	3
16	13SEP2006 00:01:31.692080	2	13SEP2006 00:01:31.692080	3
17	13SEP2006 00:01:31.817084	2	13SEP2006 00:01:31.817084	3
18	13SEP2006 00:01:31.942088	2	13SEP2006 00:01:31.942088	3
19	13SEP2006 00:01:32.067093	2	13SEP2006 00:01:32.067093	3
...

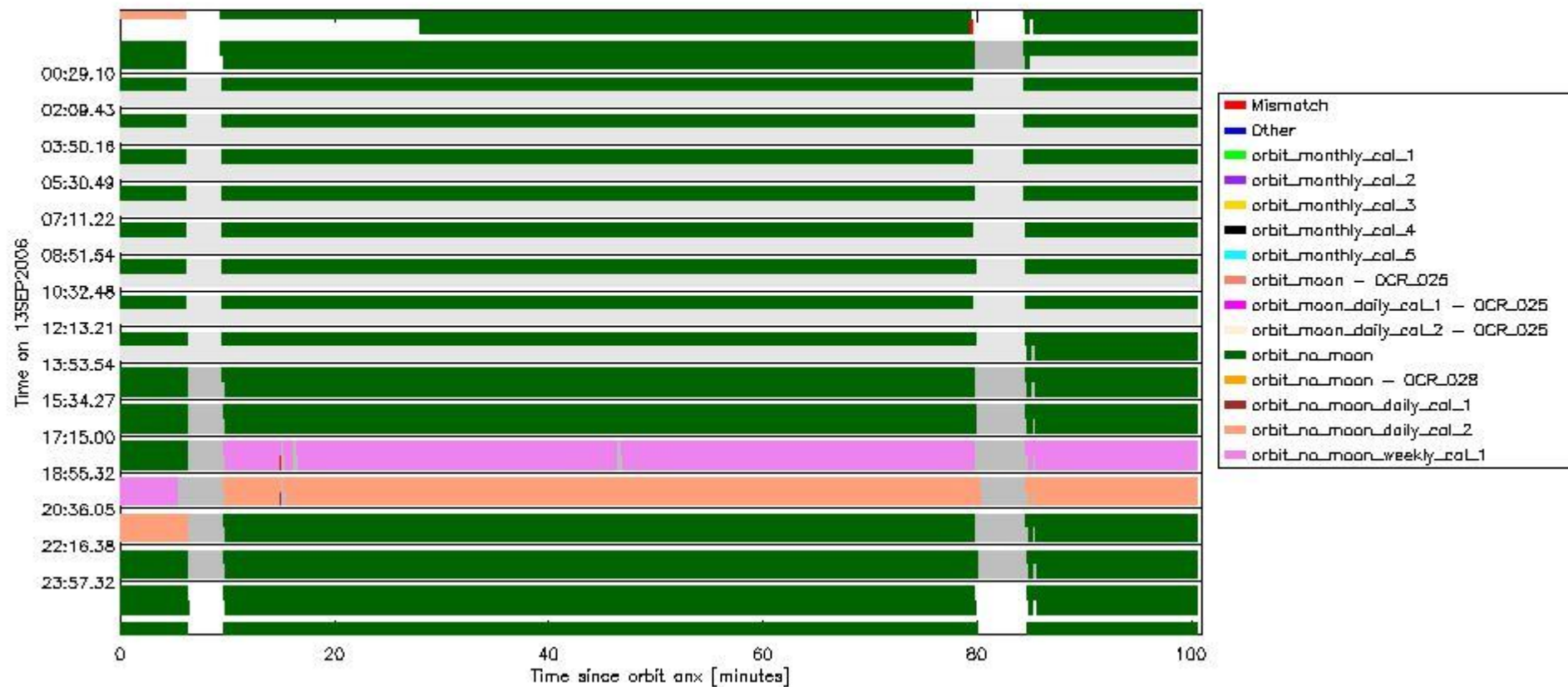


sciamachy_daily_report_level0_PFHS_5_37_N_20060913_5.PNG

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 13SEP2006.
 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_PPHS_5_37_N_20060913_6.PNG

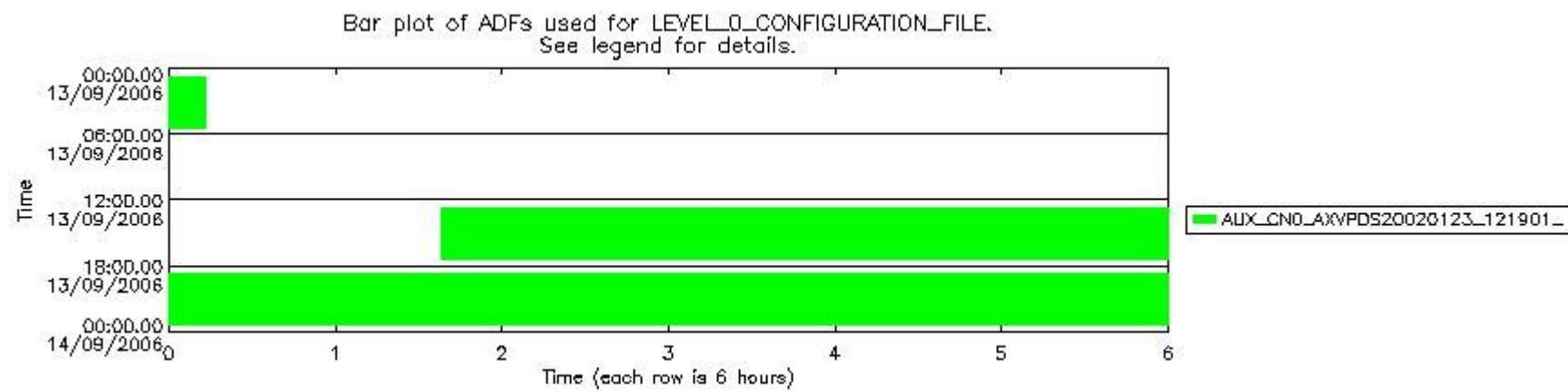
0.4 ADF monitoring

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

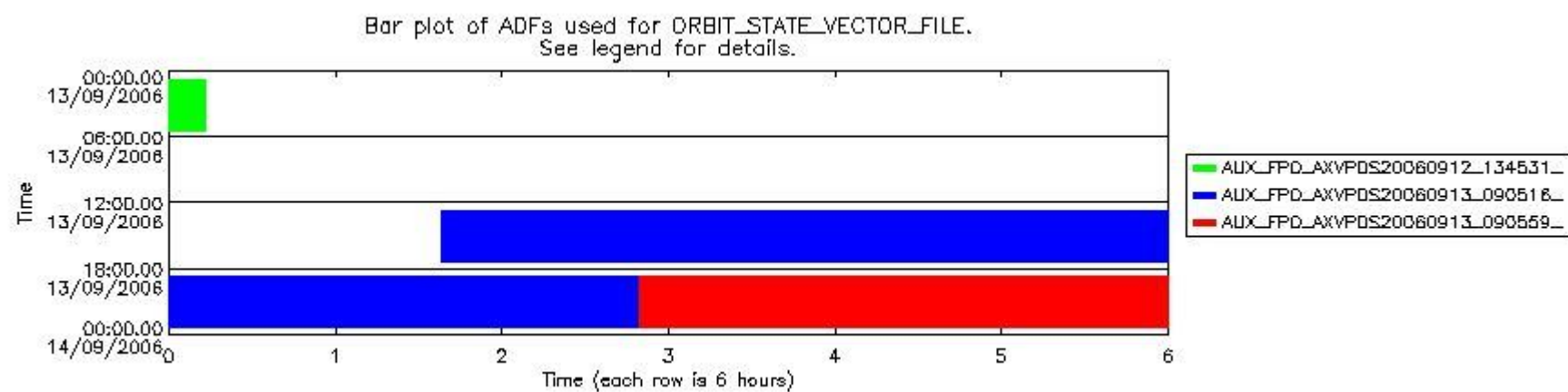
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

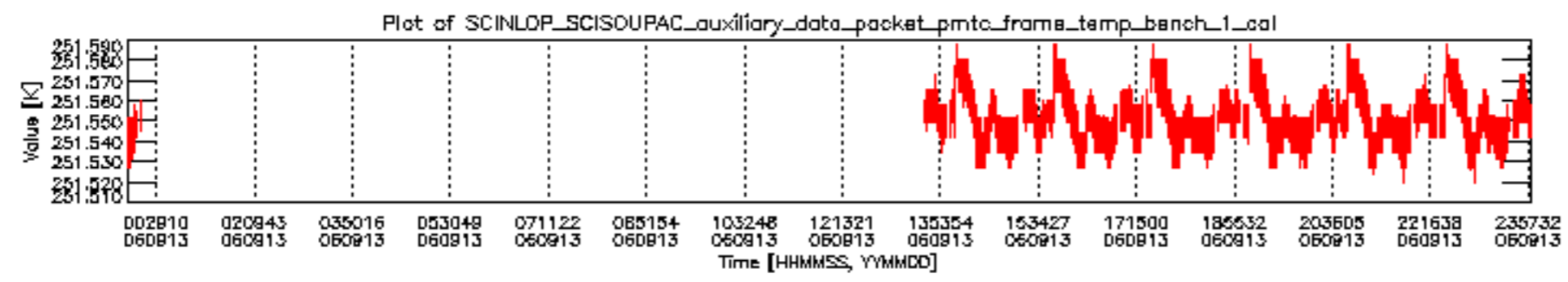
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20060912_134531_20060912_110414_20060922_123027
2	AUX_FPO_AXVPDS20060913_090516_20060912_192714_20060922_205327
3	AUX_FPO_AXVPDS20060913_090559_20060912_192714_20060922_205327

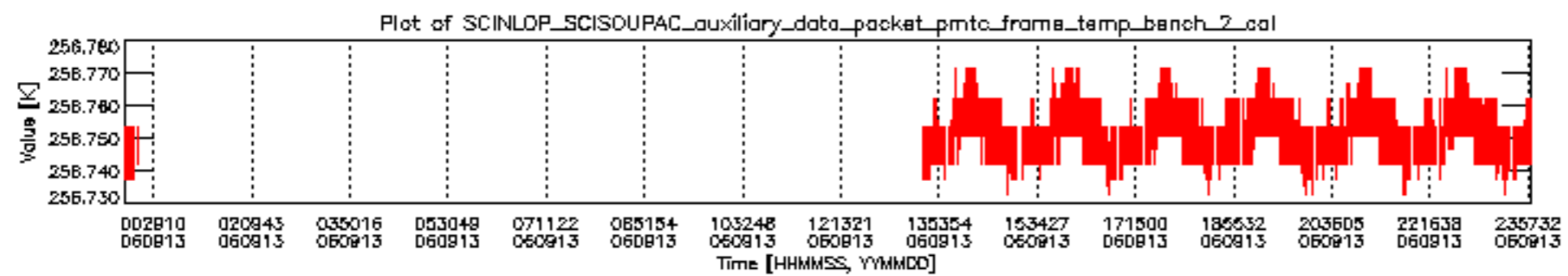


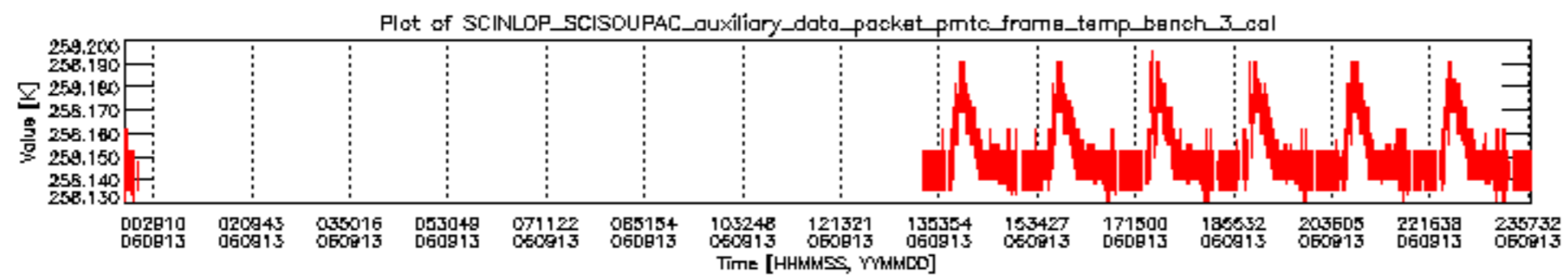
sciamachy_daily_report_level0_PFHS_5_37_N_20060913_7.PNG

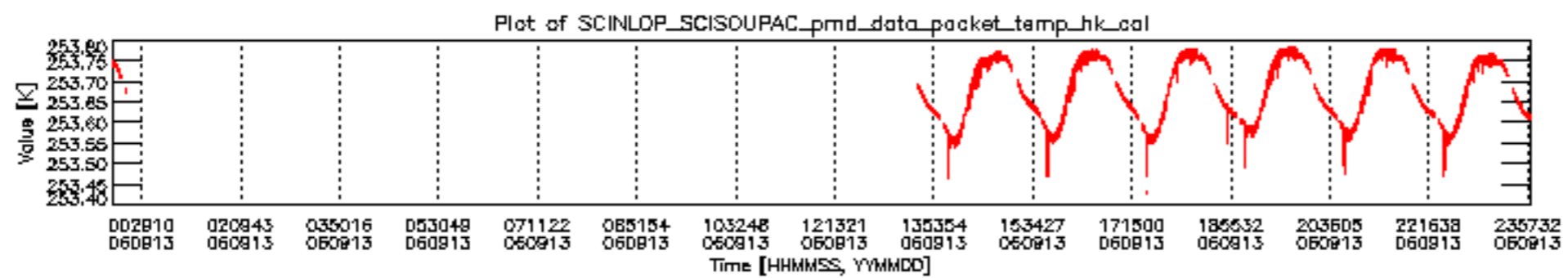


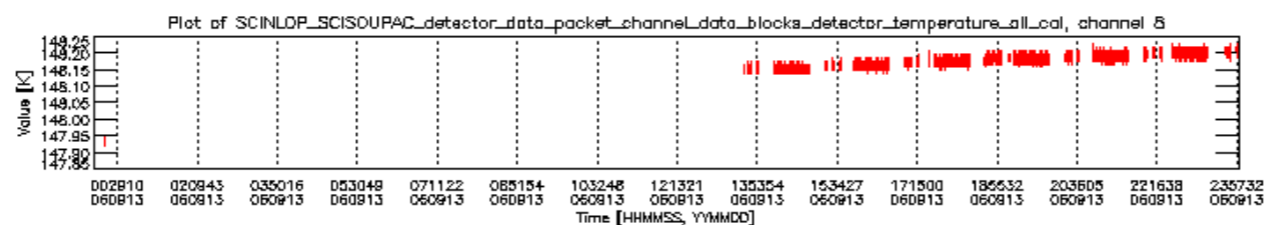
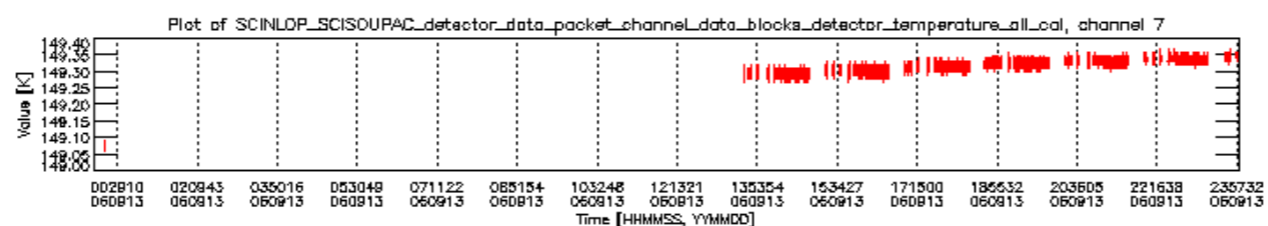
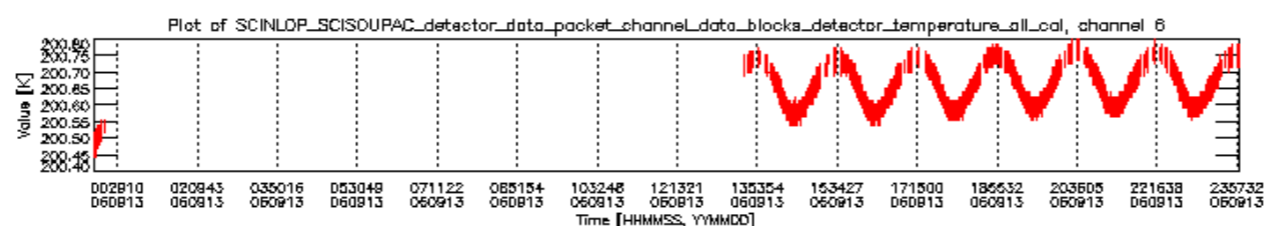
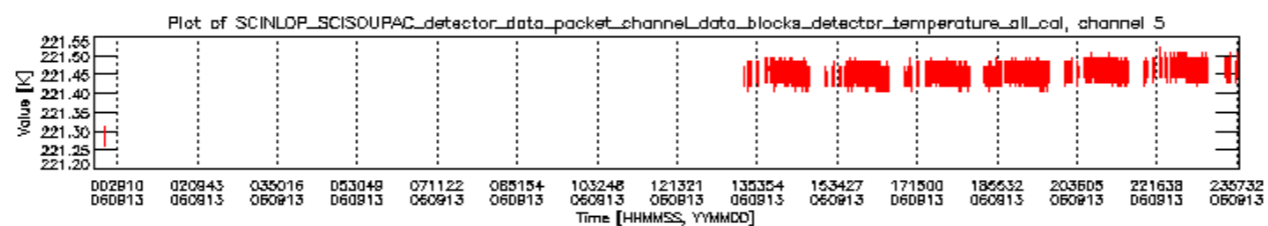
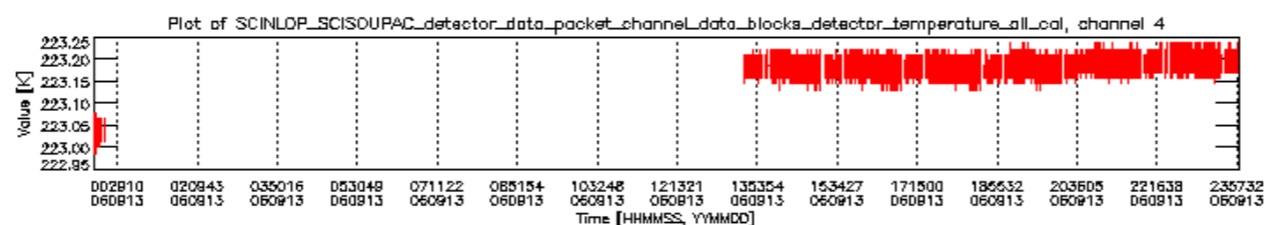
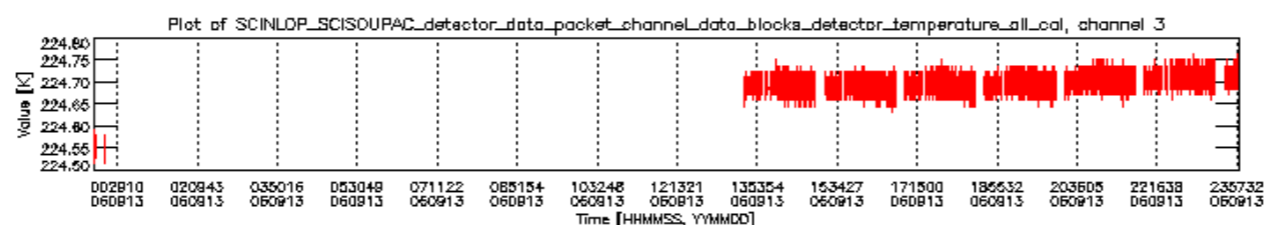
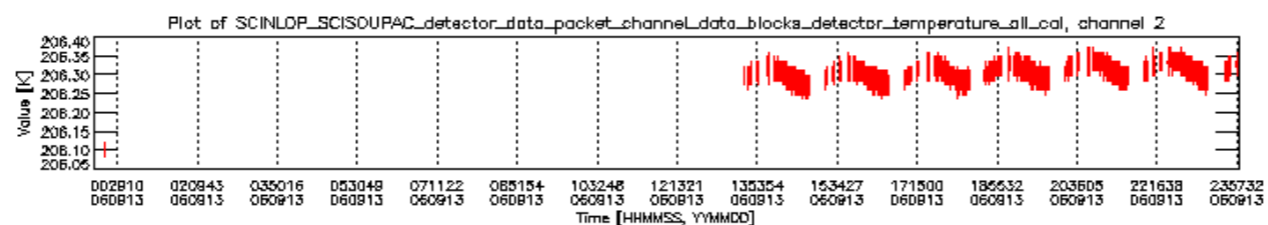
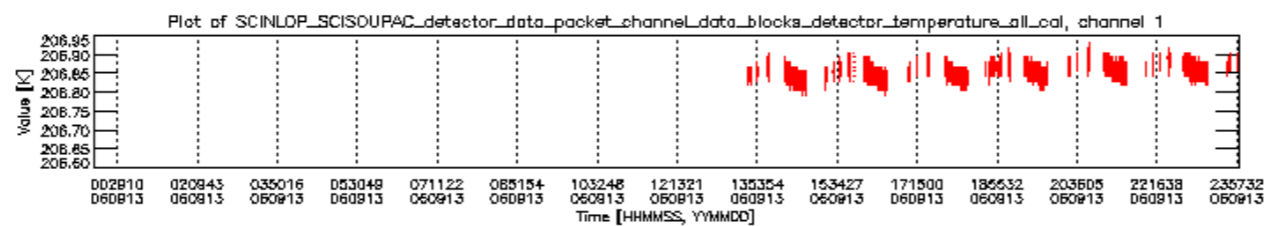
sciamachy_daily_report_level0_PFHS_5_37_N_20060913_8.PNG

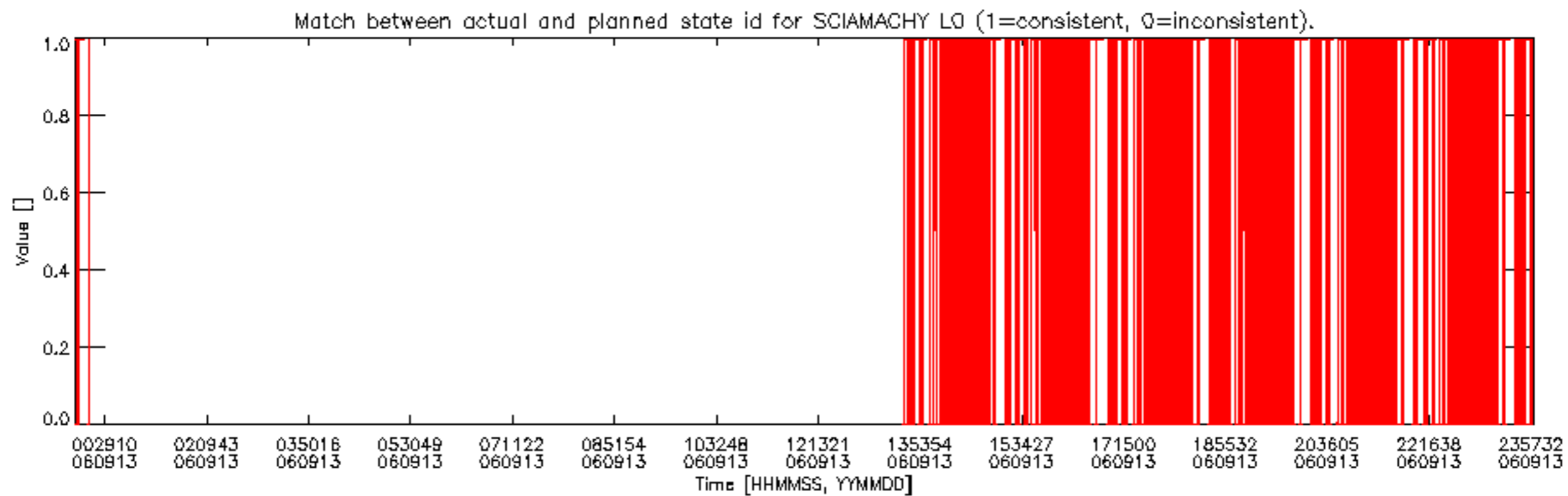
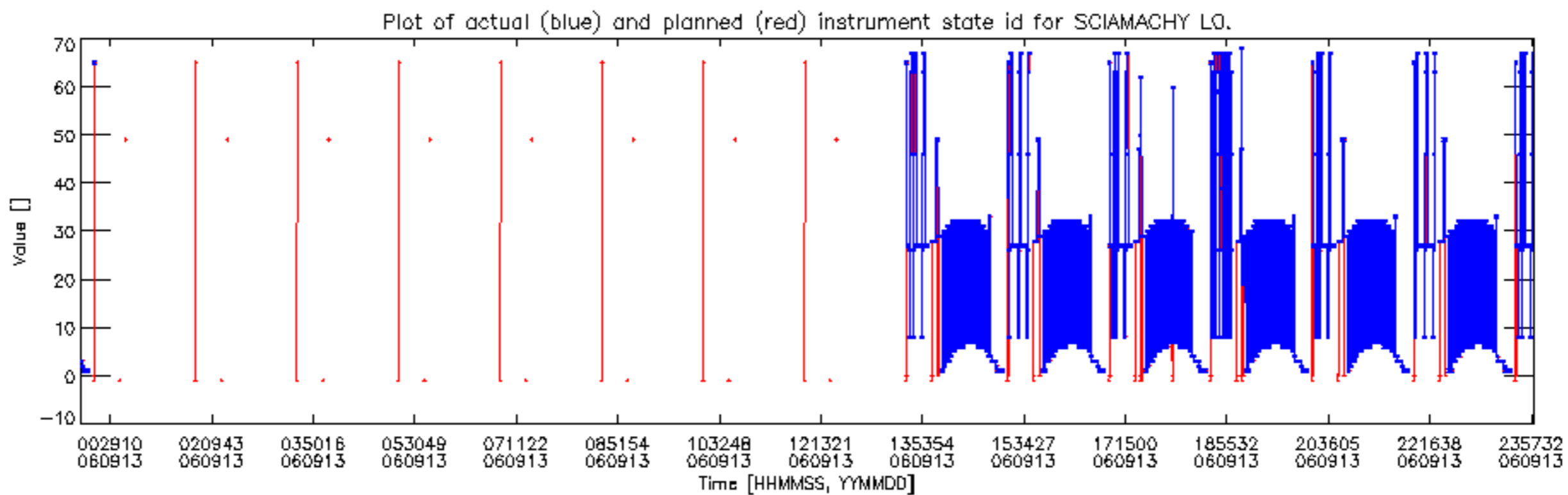












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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