

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	21SEP2006 05:52:25
Data source version	PFHS/5.37-N
Processing scope for products	17SEP2006 00:00:00 to 18SEP2006 00:00:00
Start time of first product within scope	16SEP2006 23:49:12
Stop time of last product within scope	18SEP2006 00:59:47
Total number of level 0 products	17
Number of level 0 products with errors	17

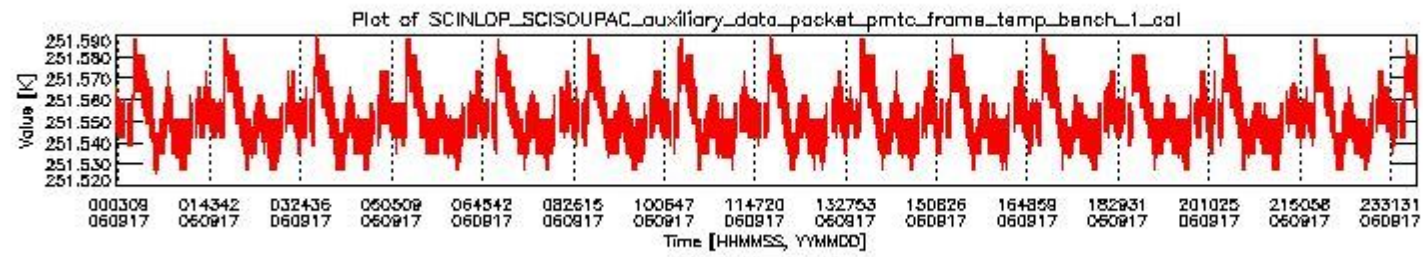
0.1.2 Summary per product

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

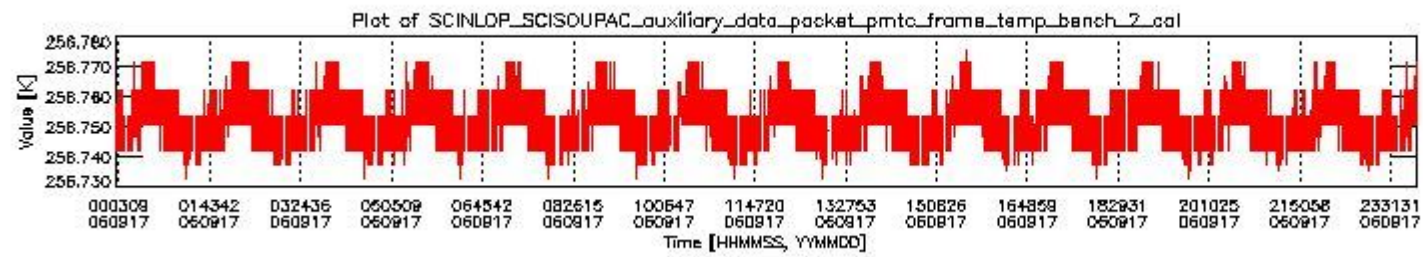
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20060916_234912_000059922051_00173_23774_0607.N1	16SEP2006 23:49:12	17SEP2006 01:29:05	1	0	1	0	0
1	SCI_NL__OPNPDE20060917_012821_000044302051_00174_23775_0608.N1	17SEP2006 01:28:21	17SEP2006 02:42:11	1	0	1	0	0
2	SCI_NL__OPNPDE20060917_024211_000061052051_00175_23776_0609.N1	17SEP2006 02:42:11	17SEP2006 04:23:57	1	0	1	0	0
3	SCI_NL__OPNPDE20060917_042357_000060232051_00176_23777_0610.N1	17SEP2006 04:23:57	17SEP2006 06:04:20	1	0	1	0	0
4	SCI_NL__OPNPDK20060917_060420_000041822051_00177_23778_0738.N1	17SEP2006 06:04:20	17SEP2006 07:14:03	1	0	1	0	0
5	SCI_NL__OPNPDK20060917_071403_000060922051_00178_23779_0739.N1	17SEP2006 07:14:03	17SEP2006 08:55:36	1	0	1	0	0
6	SCI_NL__OPNPDK20060917_085427_000059802051_00179_23780_0740.N1	17SEP2006 08:54:27	17SEP2006 10:34:08	1	0	1	0	0
7	SCI_NL__OPNPDK20060917_103408_000059672051_00180_23781_0741.N1	17SEP2006 10:34:08	17SEP2006 12:13:35	1	0	1	0	0
8	SCI_NL__OPNPDK20060917_121239_000059802051_00181_23782_0742.N1	17SEP2006 12:12:39	17SEP2006 13:52:20	1	0	1	0	0
9	SCI_NL__OPNPDK20060917_135111_000059122051_00182_23783_0743.N1	17SEP2006 13:51:11	17SEP2006 15:29:44	1	0	1	0	0
10	SCI_NL__OPNPDK20060917_152739_000059742051_00183_23784_0744.N1	17SEP2006 15:27:39	17SEP2006 17:07:14	1	0	1	0	0
11	SCI_NL__OPNPDK20060917_152944_000058502051_00183_23784_0747.N1	17SEP2006 15:29:44	17SEP2006 17:07:14	1	0	1	0	0
12	SCI_NL__OPNPDK20060917_170507_000059992051_00184_23785_0745.N1	17SEP2006 17:05:07	17SEP2006 18:45:07	1	0	1	0	0
13	SCI_NL__OPNPDK20060917_184347_000061742051_00185_23786_0746.N1	17SEP2006 18:43:47	17SEP2006 20:26:41	1	0	1	0	0
14	SCI_NL__OPNPDE20060917_202423_000044072051_00186_23787_0611.N1	17SEP2006 20:24:23	17SEP2006 21:37:51	1	0	1	0	0
15	SCI_NL__OPNPDE20060917_213622_000061602051_00186_23787_0612.N1	17SEP2006 21:36:22	17SEP2006 23:19:03	1	0	1	0	0
16	SCI_NL__OPNPDE20060917_231742_000061252051_00187_23788_0613.N1	17SEP2006 23:17:42	18SEP2006 00:59:47	1	0	1	0	0

0.2 Product Quality Indicators

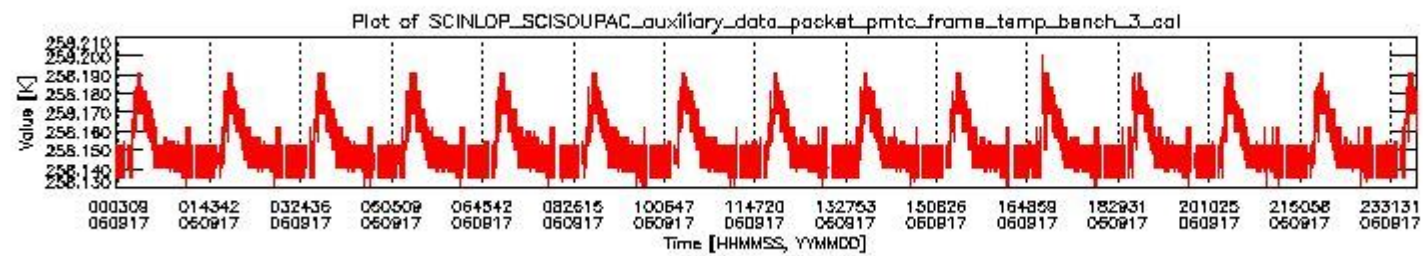
This section shows information about product quality, currently temperatures.



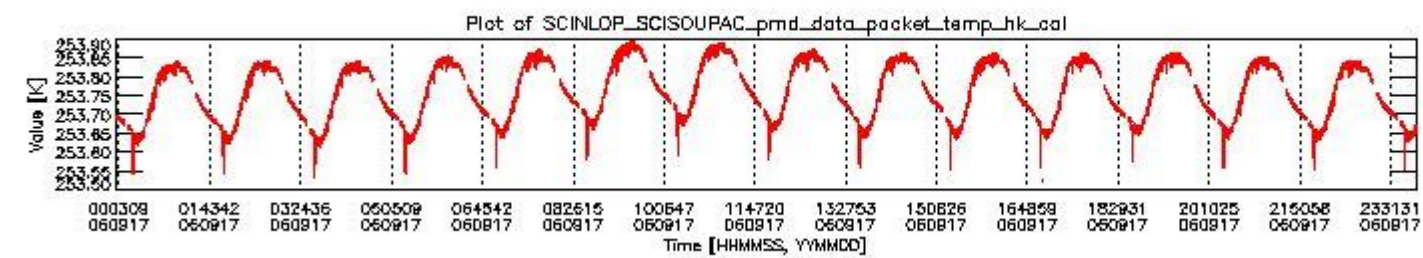
sciamachy_daily_report_level0_PFHS_5_37_N_20060917_0.PNG



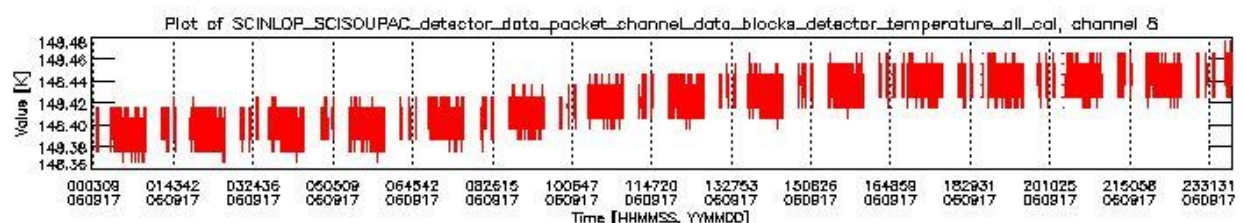
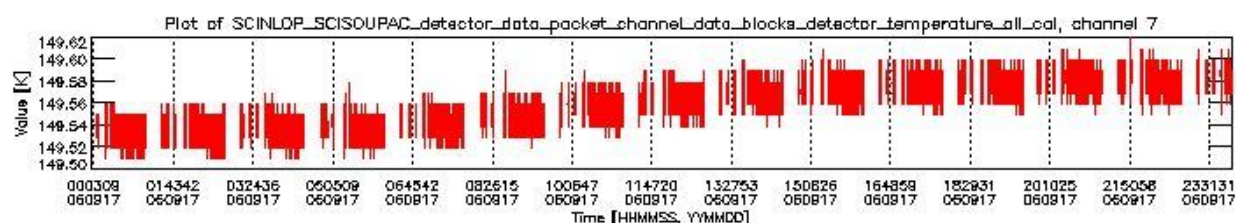
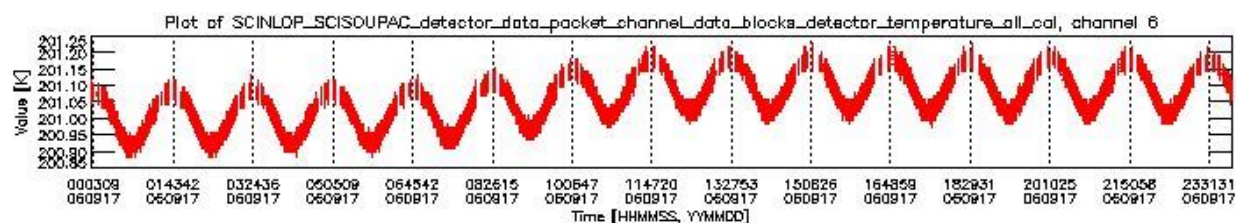
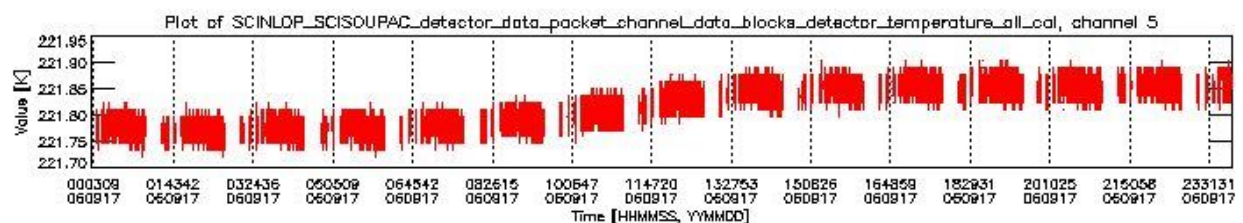
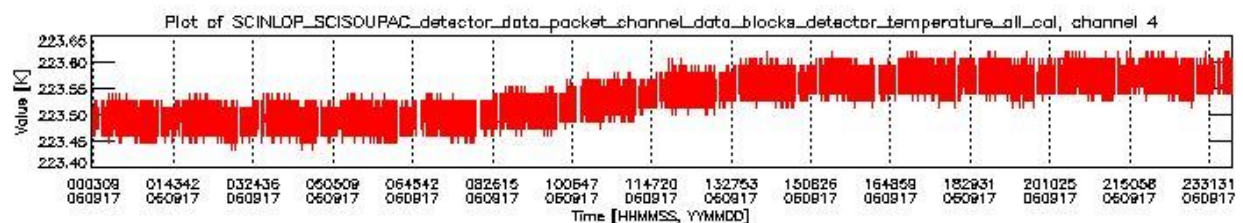
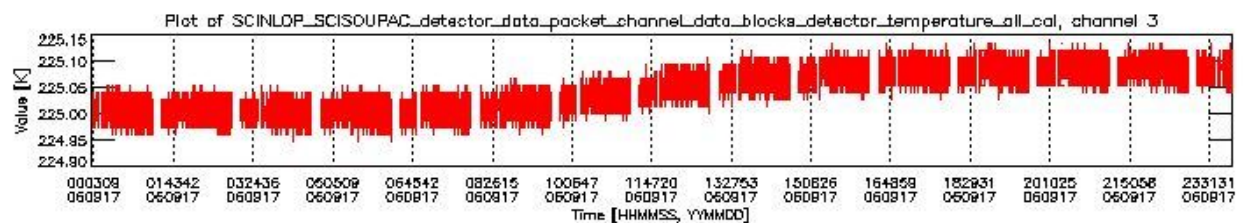
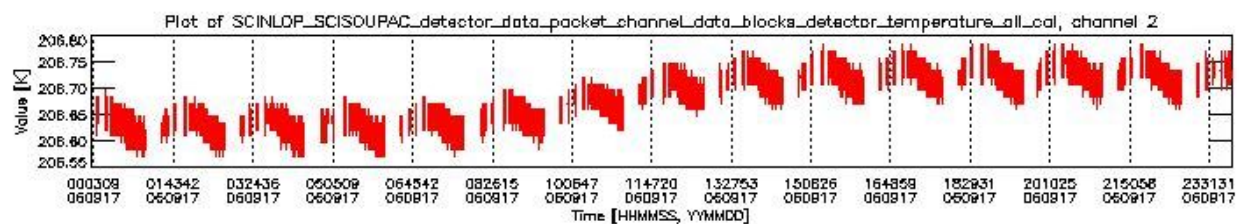
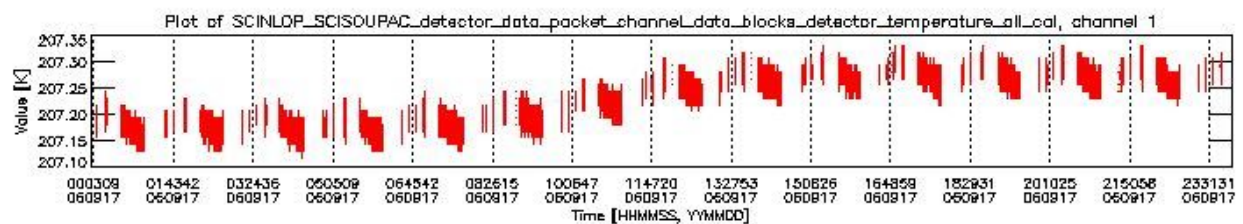
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sciamachy_daily_report_level0_PFHS_5_37_N_20060917_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20060917_3.PNG

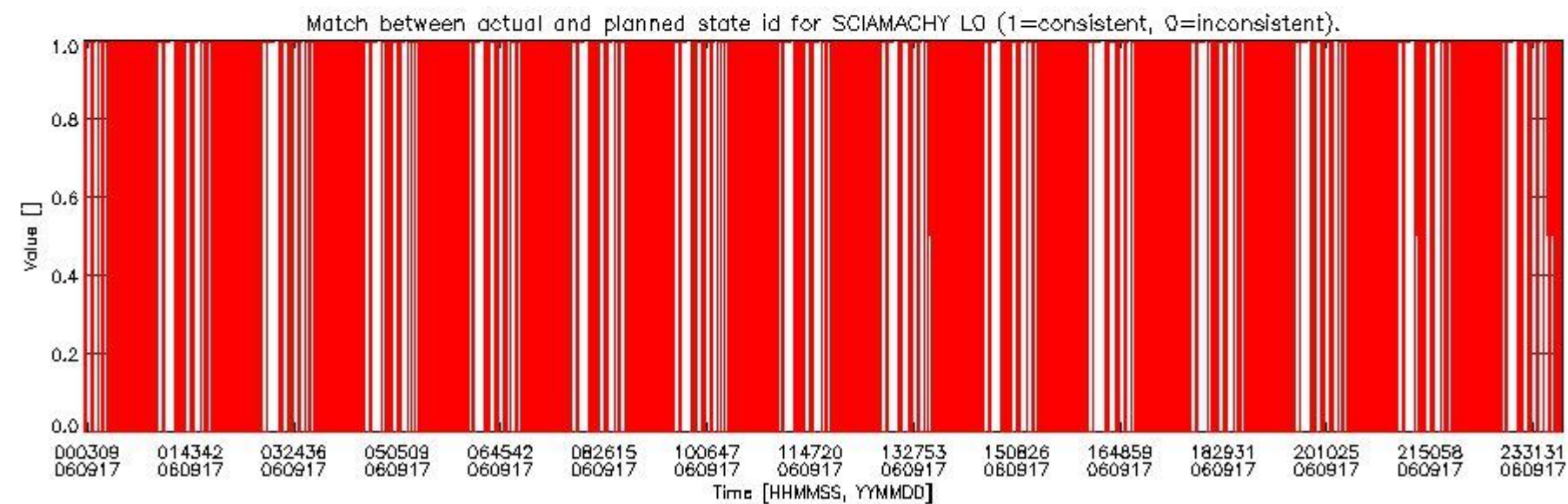
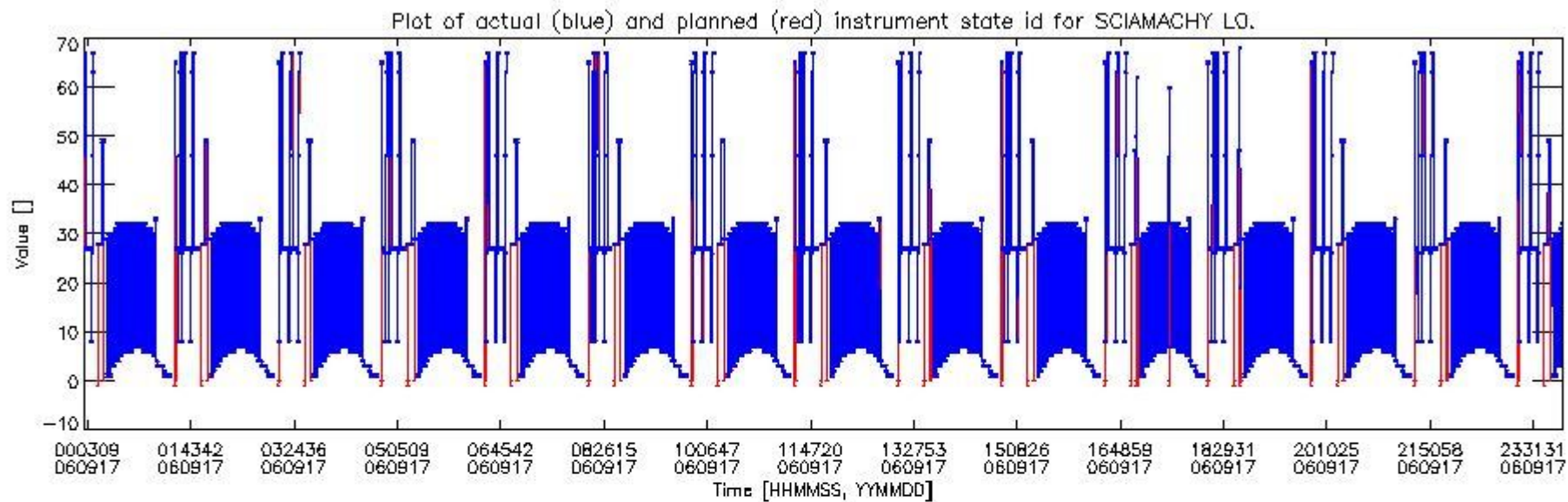


0.3 State monitoring

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: **17689**

#	Actual time	Actual value	Planned time	Planned value
0	17SEP2006 00:01:16.782967	27	17SEP2006 00:01:16.782967	67
1	17SEP2006 00:01:17.783002	27	17SEP2006 00:01:17.783002	67
2	17SEP2006 00:01:18.720474	27	17SEP2006 00:01:18.720474	67
3	17SEP2006 00:01:19.470500	27	17SEP2006 00:01:19.470500	67
4	17SEP2006 00:01:20.407973	27	17SEP2006 00:01:20.407973	67
5	17SEP2006 00:01:21.157999	27	17SEP2006 00:01:21.157999	67
6	17SEP2006 00:06:25.193123	8	17SEP2006 00:06:25.193123	27
7	17SEP2006 00:06:26.318122	8	17SEP2006 00:06:26.318122	27
8	17SEP2006 00:06:27.318116	8	17SEP2006 00:06:27.318116	27
9	17SEP2006 00:06:28.318111	8	17SEP2006 00:06:28.318111	27
10	17SEP2006 00:06:29.318146	8	17SEP2006 00:06:29.318146	27
11	17SEP2006 00:07:08.751728	26	17SEP2006 00:07:08.751728	8
12	17SEP2006 00:07:09.376709	26	17SEP2006 00:07:09.376709	8
13	17SEP2006 00:07:09.876727	26	17SEP2006 00:07:09.876727	8
14	17SEP2006 00:07:10.376704	26	17SEP2006 00:07:10.376704	8
15	17SEP2006 00:07:10.876721	26	17SEP2006 00:07:10.876721	8
16	17SEP2006 00:07:11.376699	26	17SEP2006 00:07:11.376699	8
17	17SEP2006 00:07:11.876716	26	17SEP2006 00:07:11.876716	8
18	17SEP2006 00:07:12.376733	26	17SEP2006 00:07:12.376733	8
19	17SEP2006 00:07:12.876711	26	17SEP2006 00:07:12.876711	8
...

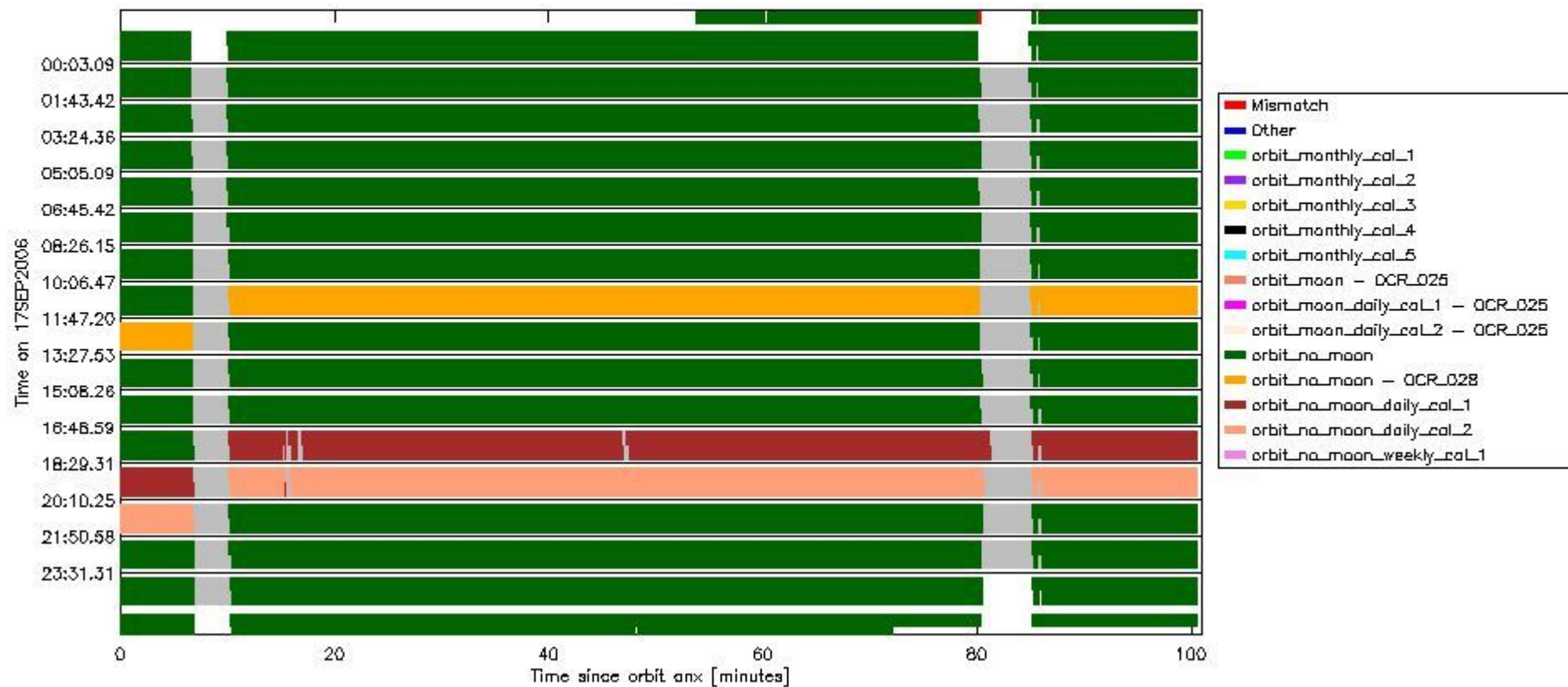


sciamachy_daily_report_level0_PFHS_5_37_N_20060917_5.PNG

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 17SEP2006.
 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_20060917_6.PNG

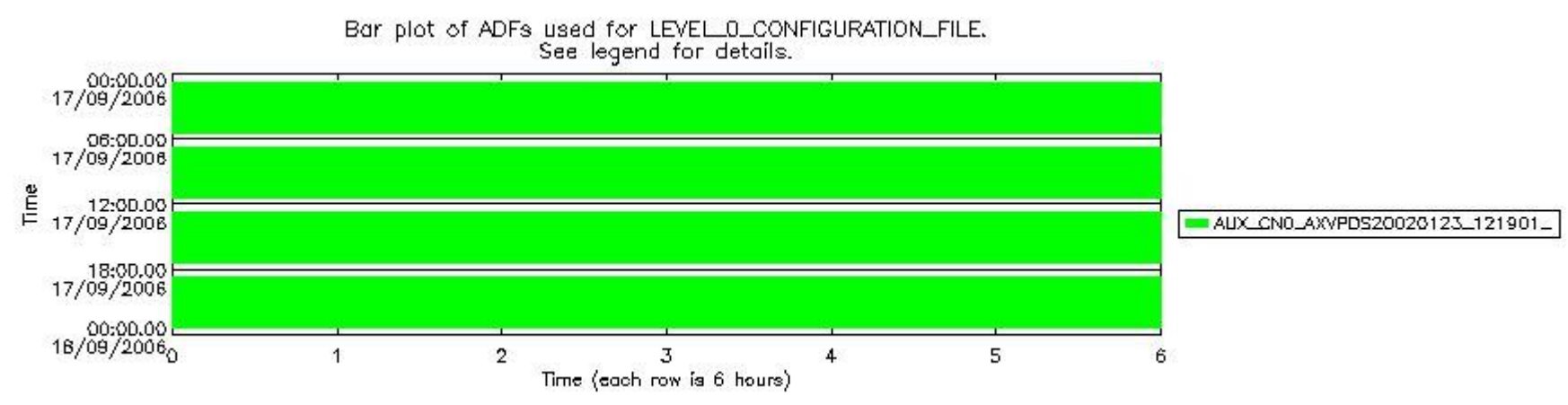
0.4 ADF monitoring

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

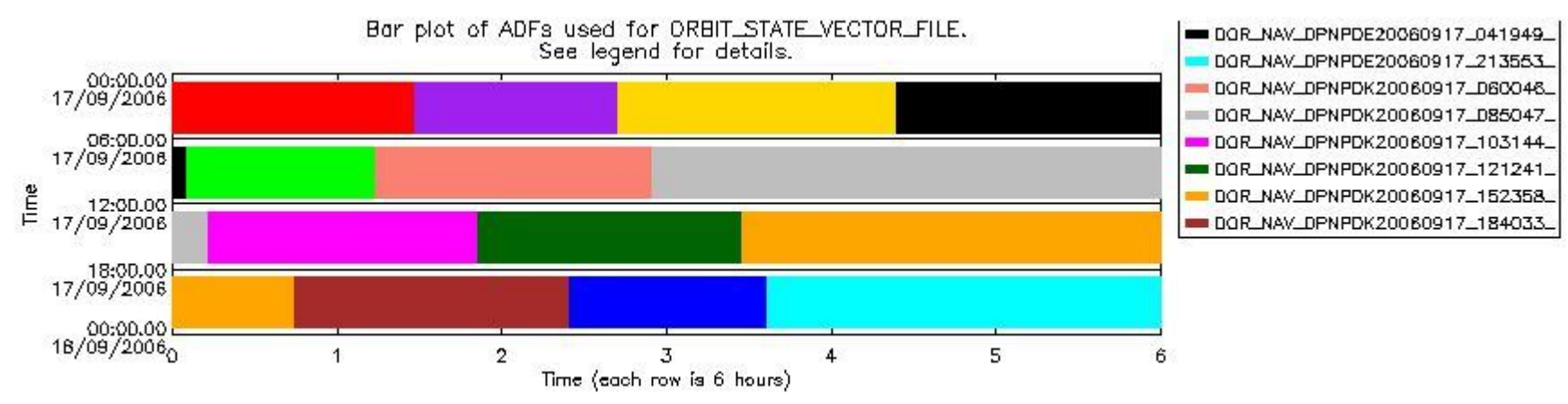
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

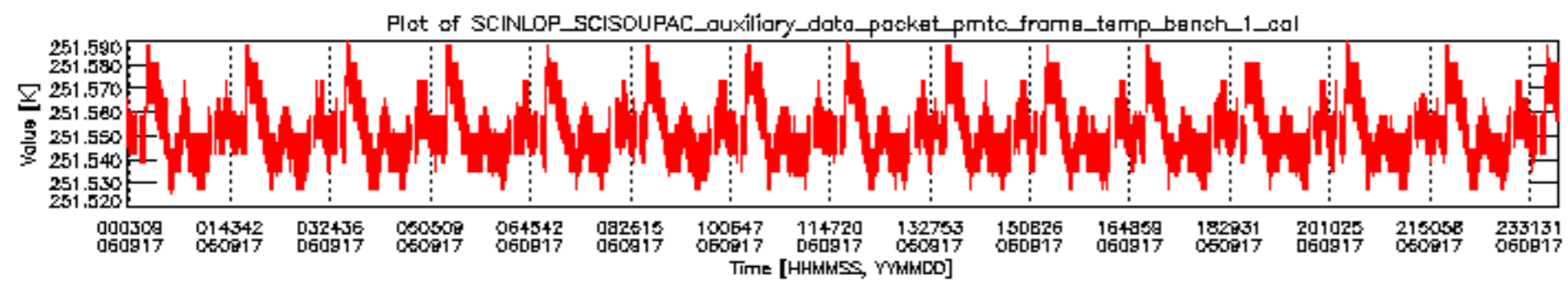
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20060917_000419_20060916_190123_20060926_202739
2	AUX_FPO_AXVPDS20060917_000519_20060916_190123_20060926_202739
3	DOR_NAV_OPNPDE20060916_220753_000057382051_00172_23773_0572.N1
4	DOR_NAV_OPNPDE20060916_234850_000054192051_00173_23774_0573.N1
5	DOR_NAV_OPNPDE20060917_023852_000057382051_00175_23776_0575.N1
6	DOR_NAV_OPNPDE20060917_041949_000057382051_00176_23777_0576.N1
7	DOR_NAV_OPNPDE20060917_213553_000057382051_00186_23787_0578.N1
8	DOR_NAV_OPNPDK20060917_060046_000038252051_00177_23778_0761.N1
9	DOR_NAV_OPNPDK20060917_085047_000057382051_00179_23780_0763.N1
10	DOR_NAV_OPNPDK20060917_103144_000057382051_00180_23781_0764.N1
11	DOR_NAV_OPNPDK20060917_121241_000054192051_00181_23782_0765.N1
12	DOR_NAV_OPNPDK20060917_152358_000057382051_00183_23784_0767.N1
13	DOR_NAV_OPNPDK20060917_184033_000057382051_00185_23786_0769.N1

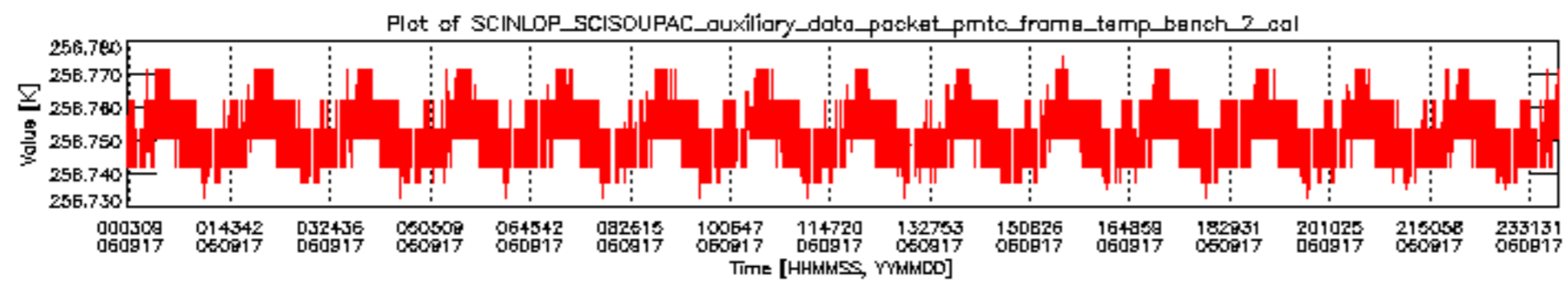


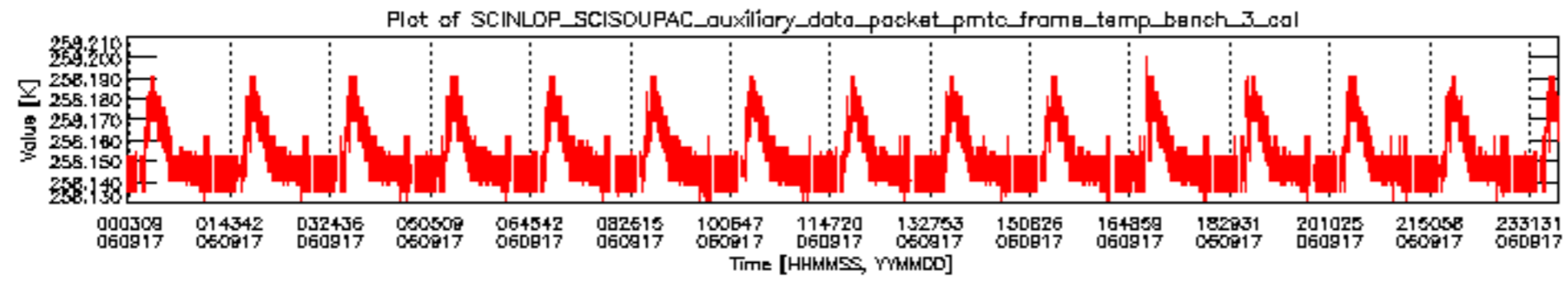
sciamachy_daily_report_level0_PFHS_5_37_N_20060917_7.PNG

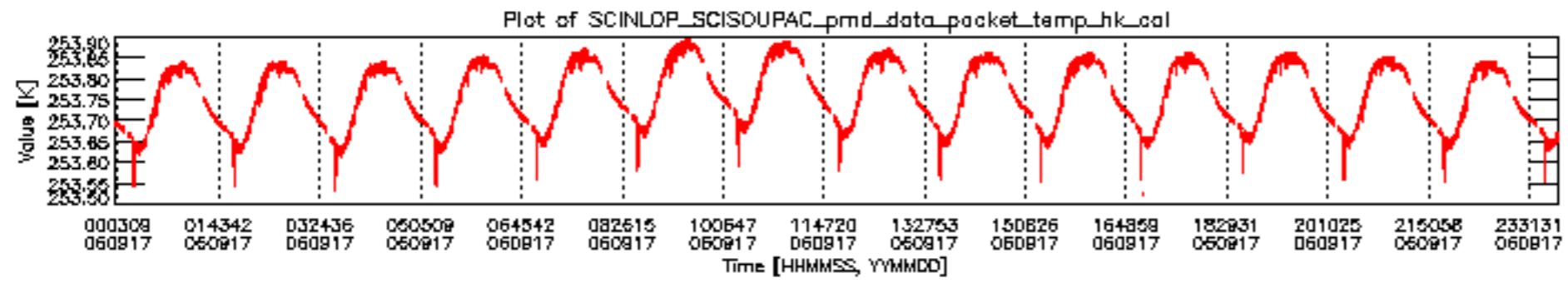


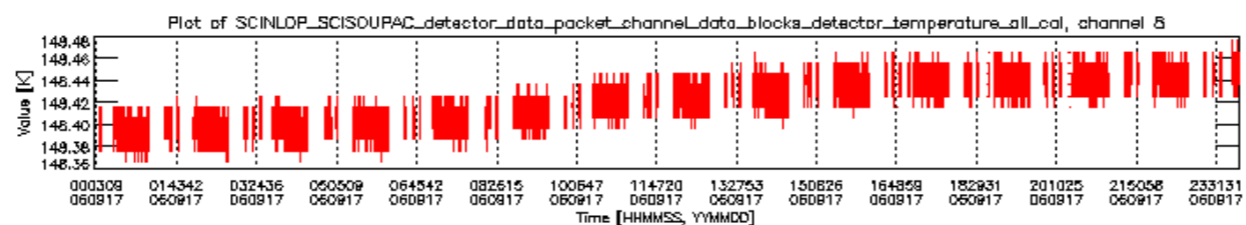
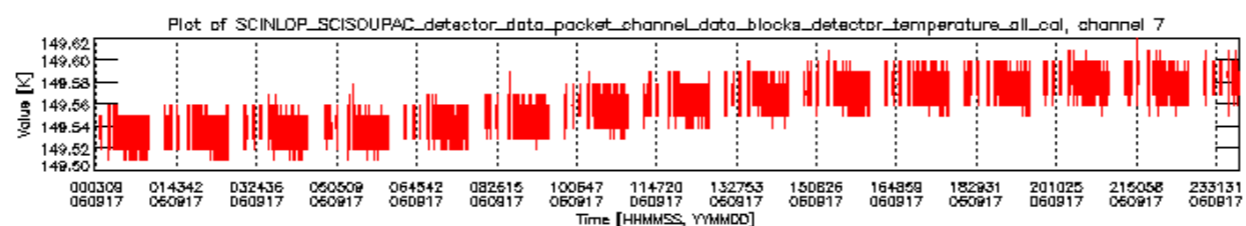
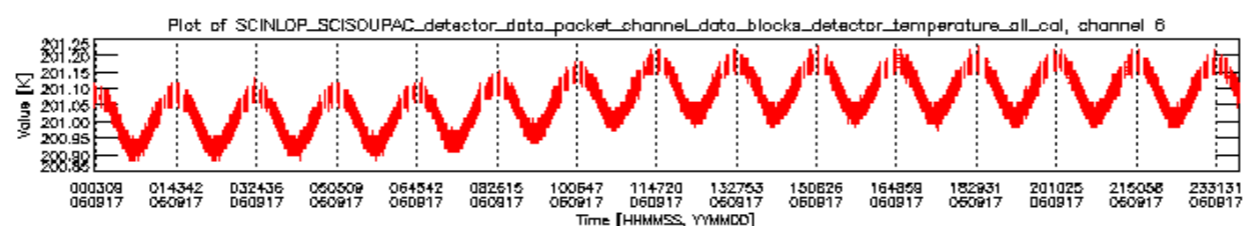
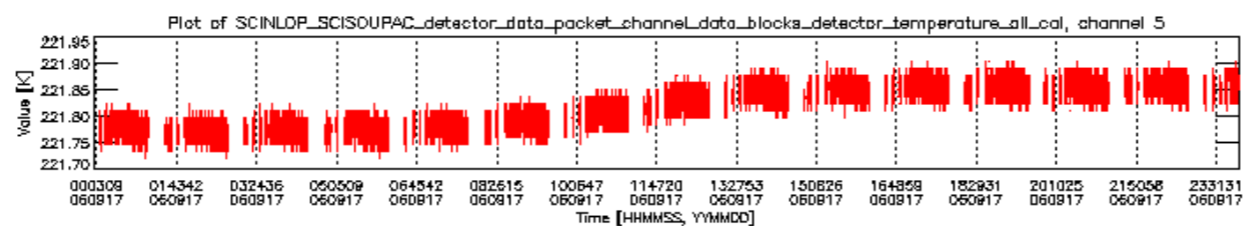
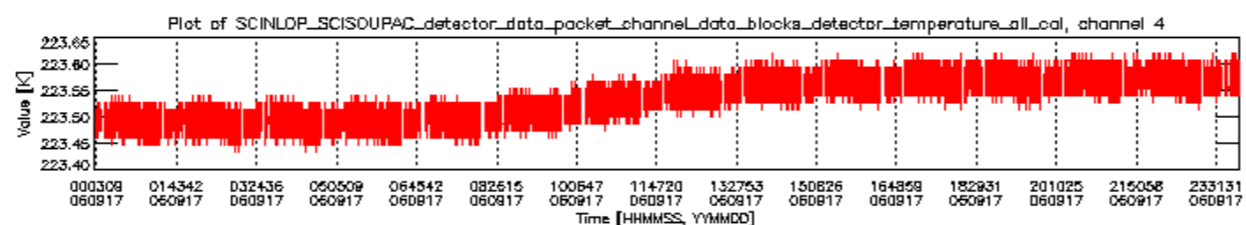
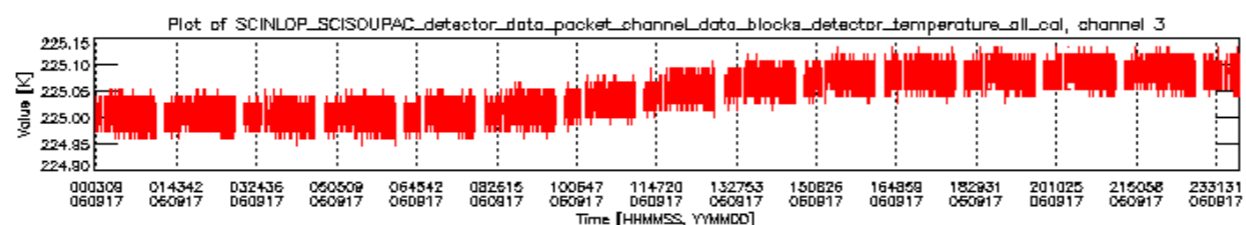
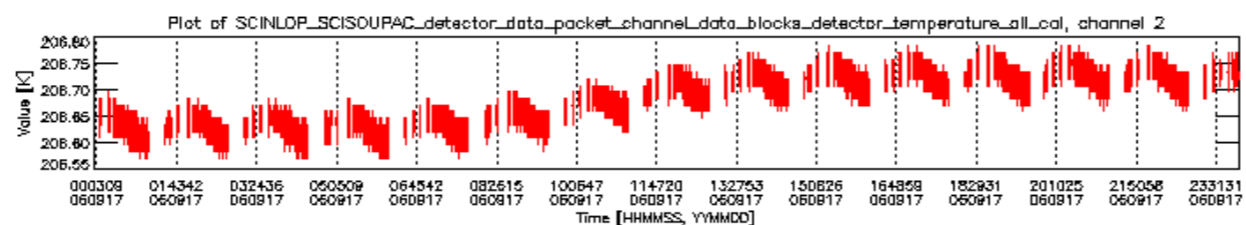
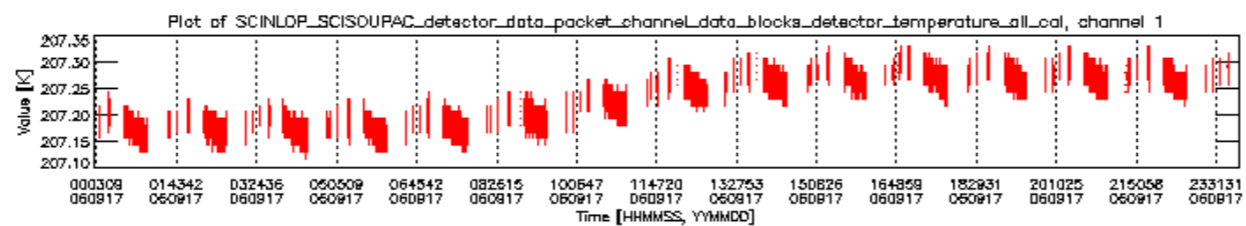
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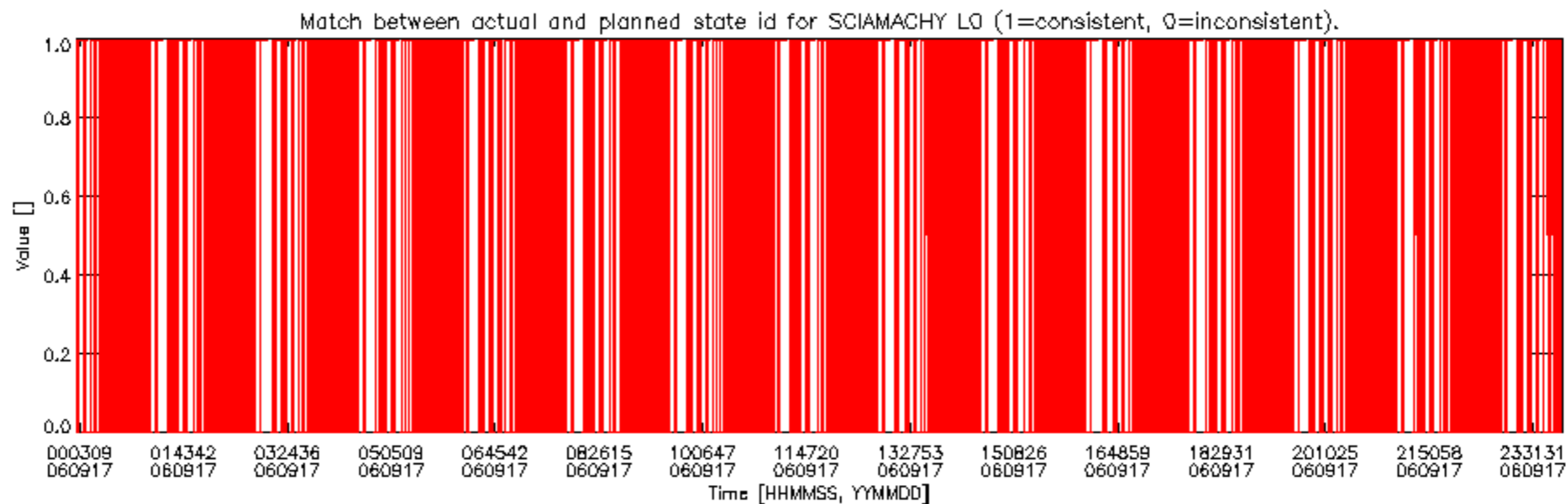
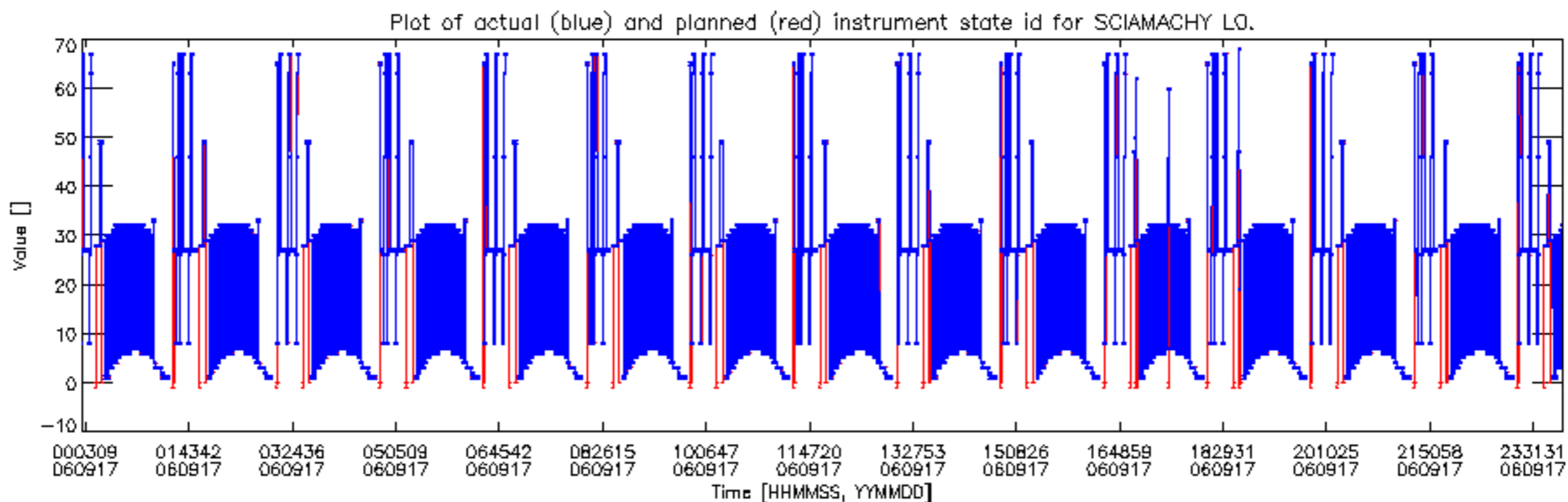












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