

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	24SEP2006 05:24:32
Data source version	PFHS/5.37-N
Processing scope for products	21SEP2006 00:00:00 to 22SEP2006 00:00:00
Start time of first product within scope	20SEP2006 23:25:19
Stop time of last product within scope	22SEP2006 00:34:18
Total number of level 0 products	16
Number of level 0 products with errors	16

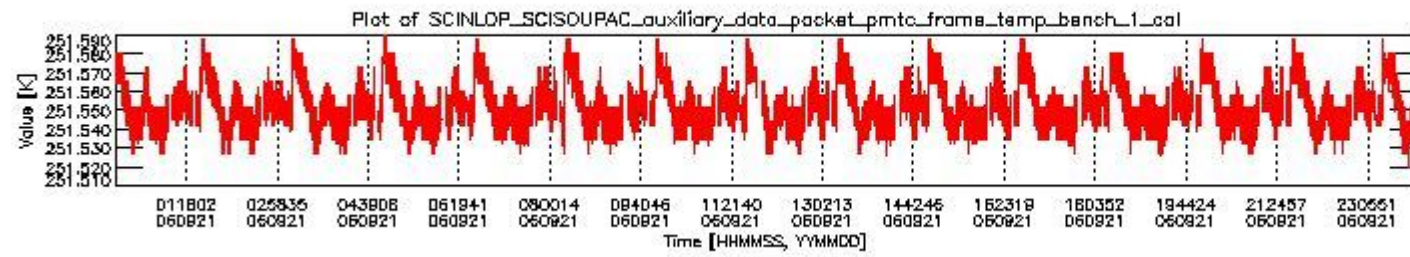
0.1.2 Summary per product

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

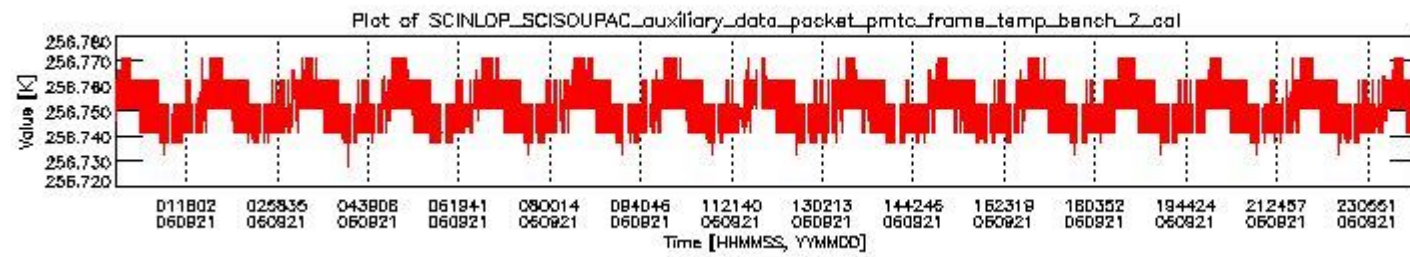
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20060920_232519_000061122051_00230_23831_0634.N1	20SEP2006 23:25:19	21SEP2006 01:07:11	1	0	1	0	0
1	SCI_NL__OPNPDE20060921_010548_000042632051_00231_23832_0635.N1	21SEP2006 01:05:48	21SEP2006 02:16:51	1	0	1	0	0
2	SCI_NL__OPNPDE20060921_021555_000061482051_00232_23833_0636.N1	21SEP2006 02:15:55	21SEP2006 03:58:23	1	0	1	0	0
3	SCI_NL__OPNPDE20060921_035823_000060492051_00233_23834_0637.N1	21SEP2006 03:58:23	21SEP2006 05:39:12	1	0	1	0	0
4	SCI_NL__OPNPDE20060921_053912_000060922051_00234_23835_0638.N1	21SEP2006 05:39:12	21SEP2006 07:20:45	1	0	1	0	0
5	SCI_NL__OPNPDK20060921_071936_000040582051_00235_23836_0776.N1	21SEP2006 07:19:36	21SEP2006 08:27:14	1	0	1	0	0
6	SCI_NL__OPNPDK20060921_082606_000062162051_00236_23837_0777.N1	21SEP2006 08:26:06	21SEP2006 10:09:43	1	0	1	0	0
7	SCI_NL__OPNPDK20060921_100847_000059802051_00237_23838_0778.N1	21SEP2006 10:08:47	21SEP2006 11:48:27	1	0	1	0	0
8	SCI_NL__OPNPDK20060921_115536_000055942051_00238_23839_0779.N1	21SEP2006 11:55:36	21SEP2006 13:28:51	1	0	1	0	0
9	SCI_NL__OPNPDK20060921_132755_000058562051_00239_23840_0780.N1	21SEP2006 13:27:55	21SEP2006 15:05:31	1	0	1	0	0
10	SCI_NL__OPNPDK20060921_150423_000059122051_00240_23841_0781.N1	21SEP2006 15:04:23	21SEP2006 16:42:55	1	0	1	0	0
11	SCI_NL__OPNPDK20060921_164159_000059742051_00241_23842_0782.N1	21SEP2006 16:41:59	21SEP2006 18:21:34	1	0	1	0	0
12	SCI_NL__OPNPDK20060921_182023_000059192051_00242_23843_0783.N1	21SEP2006 18:20:23	21SEP2006 19:59:02	1	0	1	0	0
13	SCI_NL__OPNPDE20060921_195902_000039282051_00243_23844_0639.N1	21SEP2006 19:59:02	21SEP2006 21:04:31	1	0	1	0	0
14	SCI_NL__OPNPDE20060921_210431_000065142051_00243_23844_0640.N1	21SEP2006 21:04:31	21SEP2006 22:53:06	1	0	1	0	0
15	SCI_NL__OPNPDE20060921_225222_000061162051_00244_23845_0641.N1	21SEP2006 22:52:22	22SEP2006 00:34:18	1	0	1	0	0

0.2 Product Quality Indicators

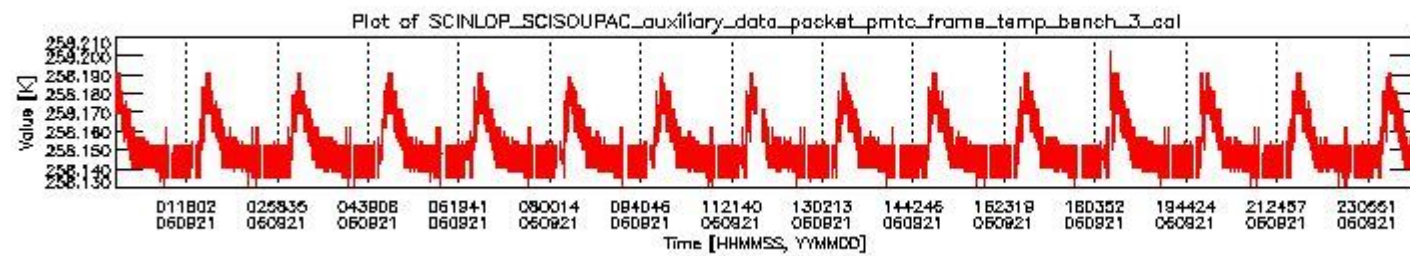
This section shows information about product quality, currently temperatures.



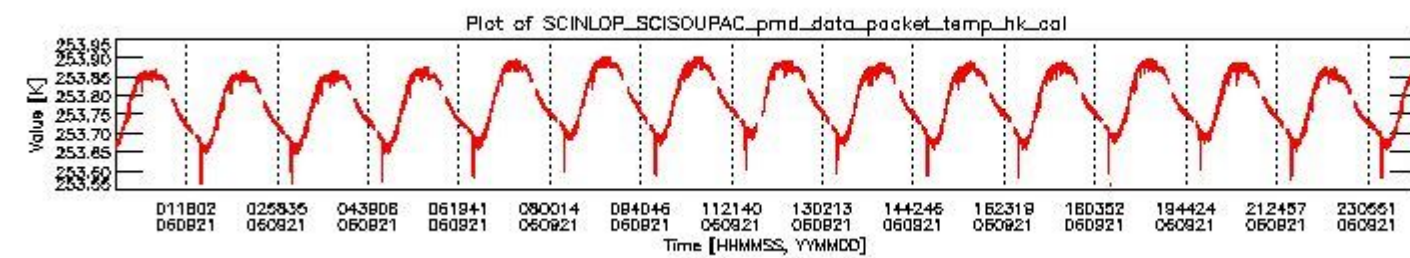
sciamachy_daily_report_level0_PFHS_5_37_N_20060921_0.PNG



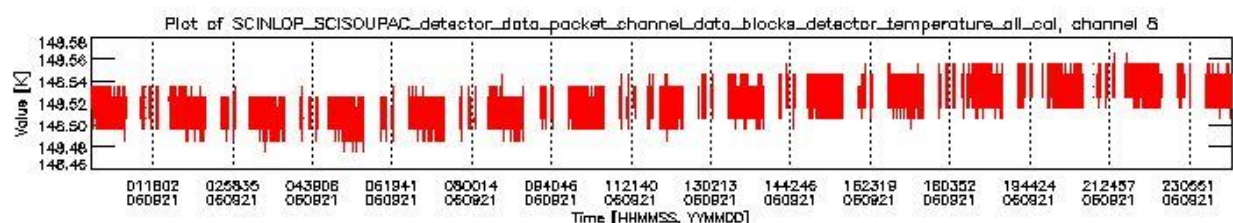
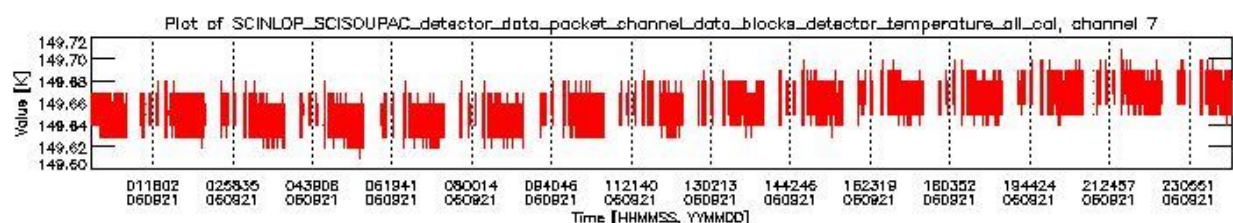
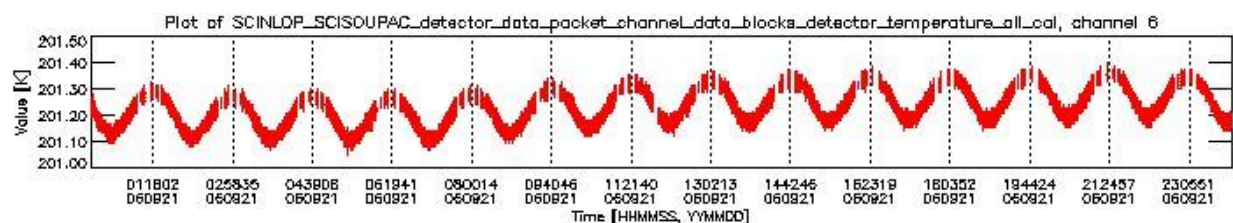
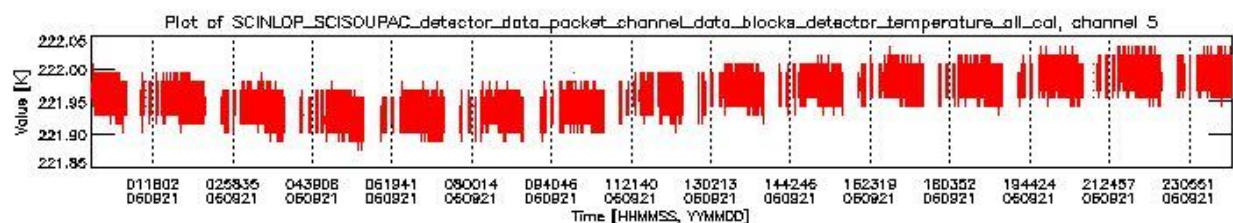
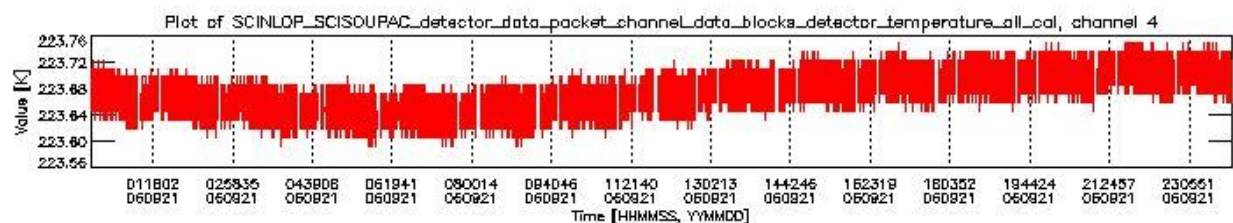
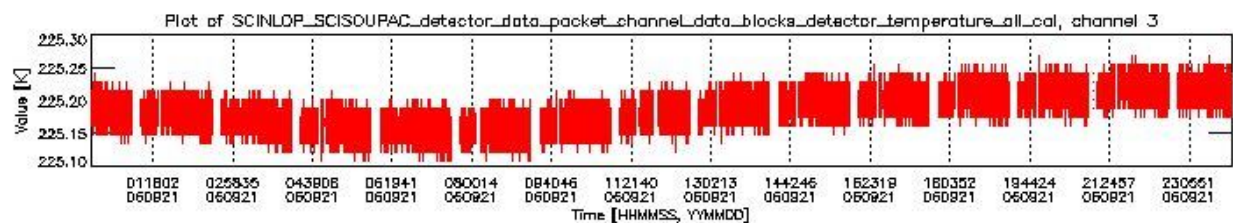
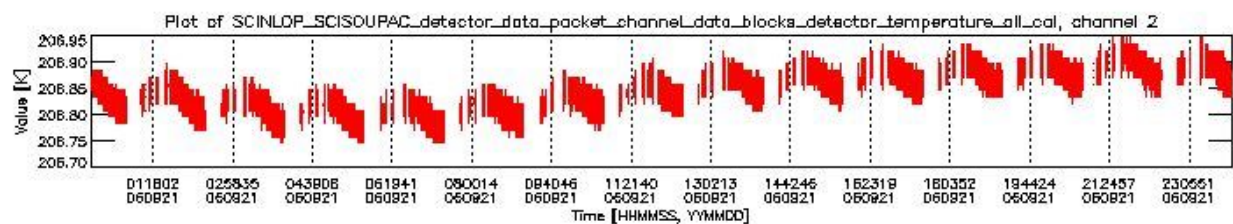
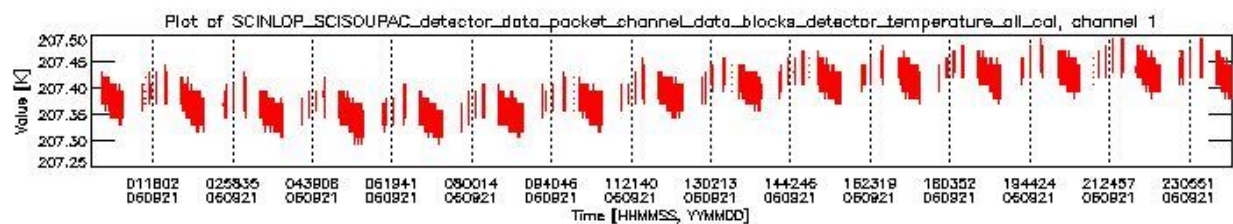
sciamachy_daily_report_level0_PFHS_5_37_N_20060921_1.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20060921_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20060921_3.PNG

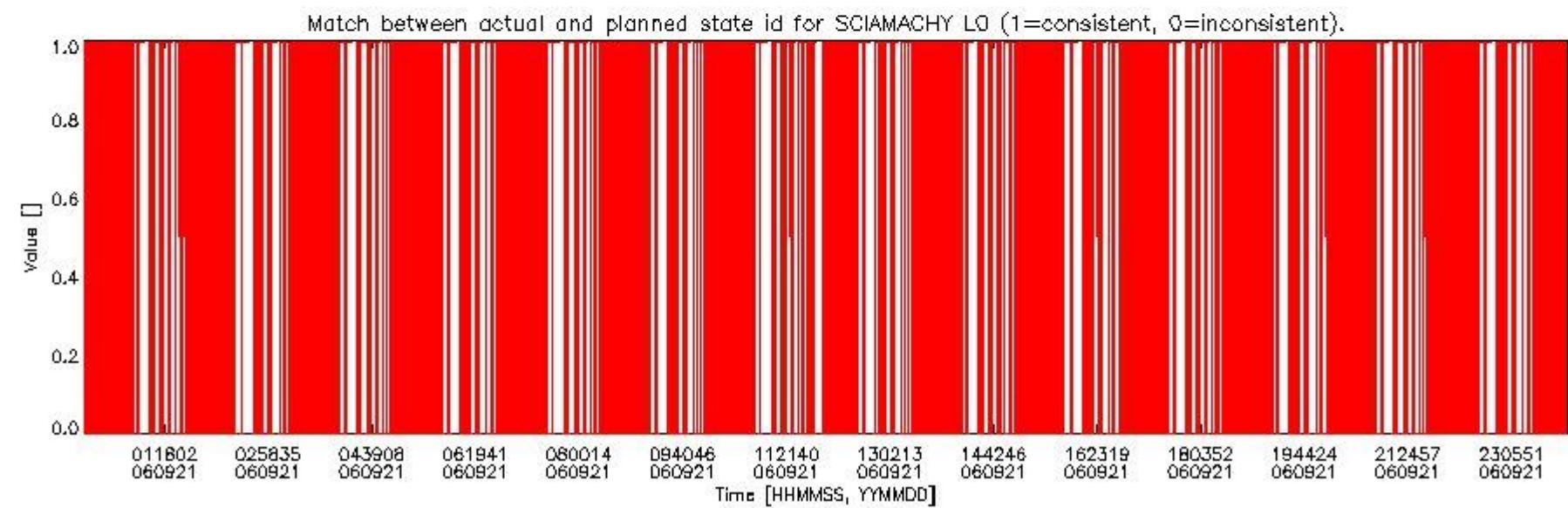
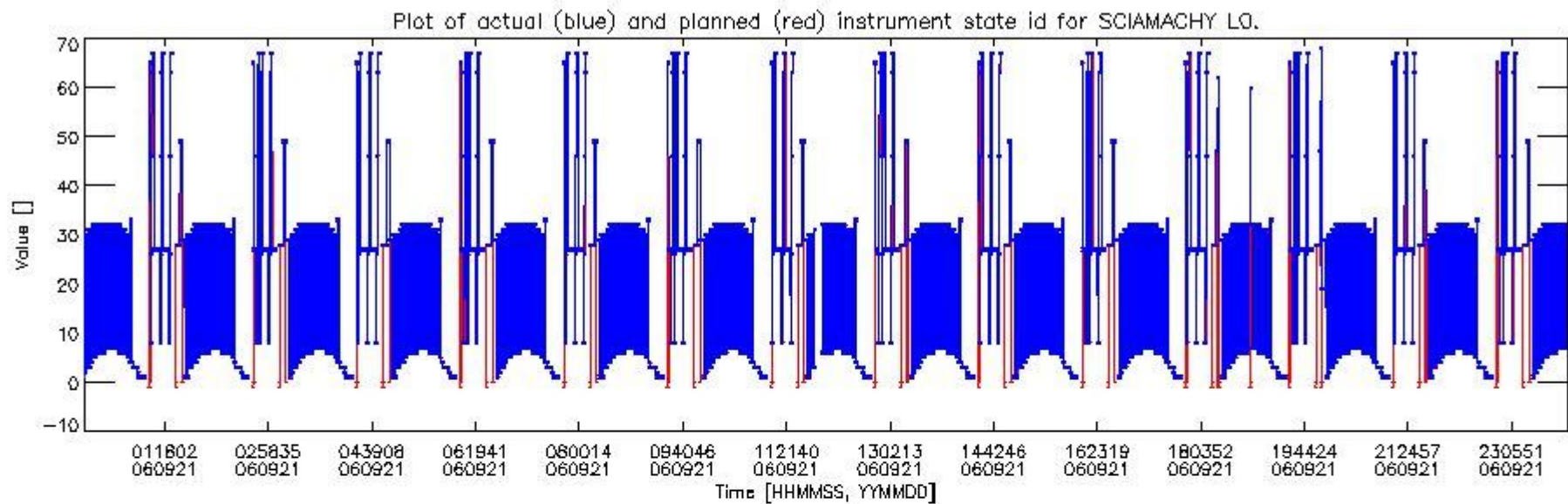


0.3 State monitoring

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: **13214**

#	Actual time	Actual value	Planned time	Planned value
0	21SEP2006 00:00:59.463729	30	21SEP2006 00:00:59.463729	2
1	21SEP2006 00:01:00.088751	30	21SEP2006 00:01:00.088751	2
2	21SEP2006 00:01:00.463764	30	21SEP2006 00:01:00.463764	2
3	21SEP2006 00:01:00.838737	30	21SEP2006 00:01:00.838737	2
4	21SEP2006 00:01:01.401236	30	21SEP2006 00:01:01.401236	2
5	21SEP2006 00:01:01.776249	30	21SEP2006 00:01:01.776249	2
6	21SEP2006 00:01:02.151262	30	21SEP2006 00:01:02.151262	2
7	21SEP2006 00:01:02.526235	30	21SEP2006 00:01:02.526235	2
8	21SEP2006 00:01:55.338743	3	21SEP2006 00:01:55.338743	30
9	21SEP2006 00:01:55.588751	3	21SEP2006 00:01:55.588751	30
10	21SEP2006 00:01:55.713756	3	21SEP2006 00:01:55.713756	30
11	21SEP2006 00:01:55.838760	3	21SEP2006 00:01:55.838760	30
12	21SEP2006 00:01:55.963724	3	21SEP2006 00:01:55.963724	30
13	21SEP2006 00:01:56.088729	3	21SEP2006 00:01:56.088729	30
14	21SEP2006 00:01:56.213733	3	21SEP2006 00:01:56.213733	30
15	21SEP2006 00:01:56.338737	3	21SEP2006 00:01:56.338737	30
16	21SEP2006 00:01:56.463742	3	21SEP2006 00:01:56.463742	30
17	21SEP2006 00:01:56.588746	3	21SEP2006 00:01:56.588746	30
18	21SEP2006 00:01:56.713750	3	21SEP2006 00:01:56.713750	30
19	21SEP2006 00:01:56.838755	3	21SEP2006 00:01:56.838755	30
...

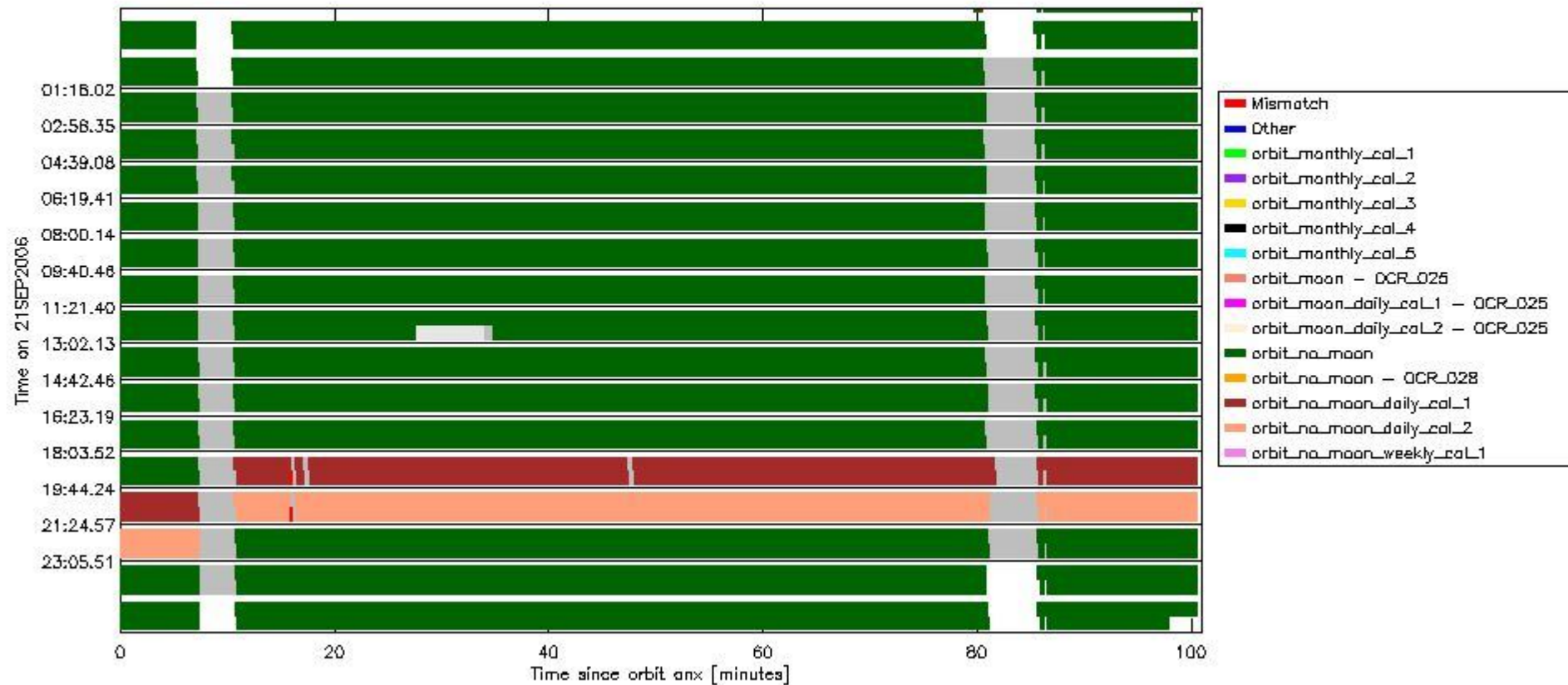


sciamachy_daily_report_level0_PFHS_5_37_N_20060921_5.PNG

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 21SEP2006.
 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_20060921_6.PNG

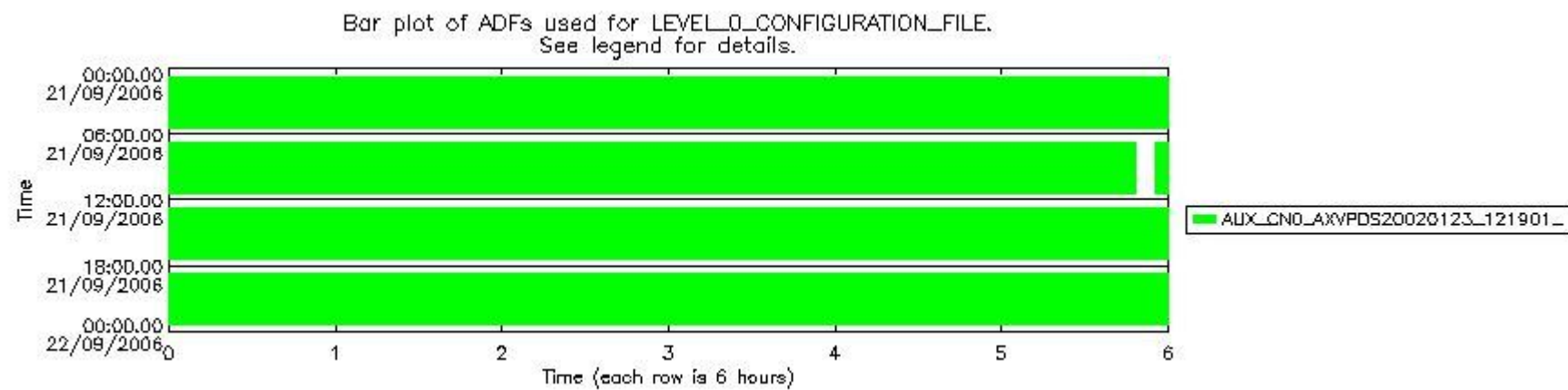
0.4 ADF monitoring

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

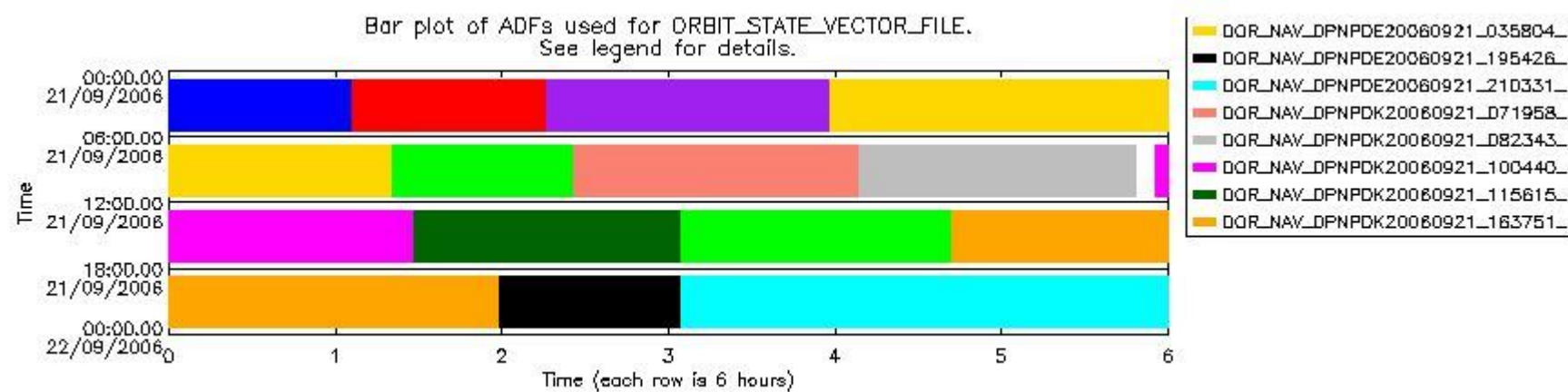
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

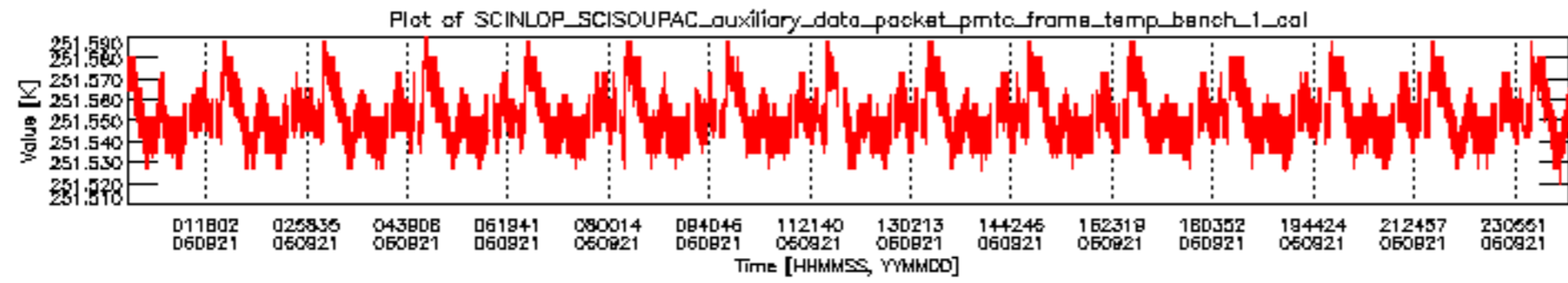
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20060920_233635_20060920_183532_20060930_200147
2	DOR_NAV_OPNPDE20060920_214049_000057382051_00229_23830_0599.N1
3	DOR_NAV_OPNPDE20060920_232146_000057382051_00230_23831_0600.N1
4	DOR_NAV_OPNPDE20060921_010244_000038252051_00231_23832_0601.N1
5	DOR_NAV_OPNPDE20060921_035804_000057382051_00233_23834_0603.N1
6	DOR_NAV_OPNPDE20060921_195426_000038252051_00243_23844_0605.N1
7	DOR_NAV_OPNPDE20060921_210331_000060572051_00243_23844_0606.N1
8	DOR_NAV_OPNPDK20060921_071958_000035062051_00235_23836_0806.N1
9	DOR_NAV_OPNPDK20060921_082343_000057382051_00236_23837_0807.N1
10	DOR_NAV_OPNPDK20060921_100440_000057382051_00237_23838_0808.N1
11	DOR_NAV_OPNPDK20060921_115615_000051002051_00238_23839_0809.N1
12	DOR_NAV_OPNPDK20060921_163751_000057382051_00241_23842_0812.N1

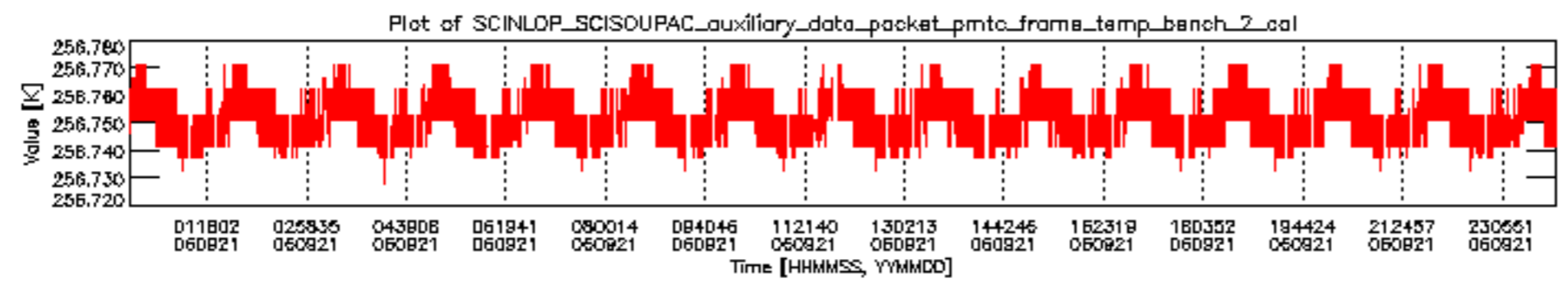


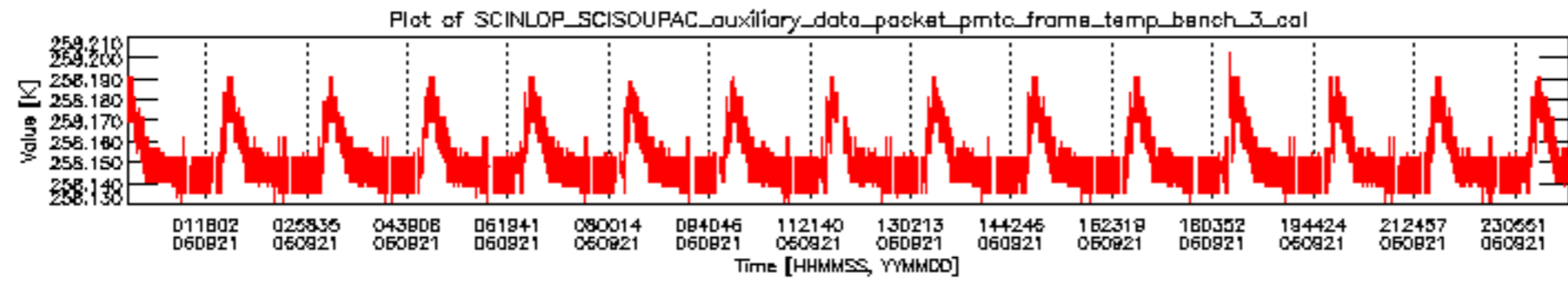
sciamachy_daily_report_level0_PPHS_5_37_N_20060921_7.PNG

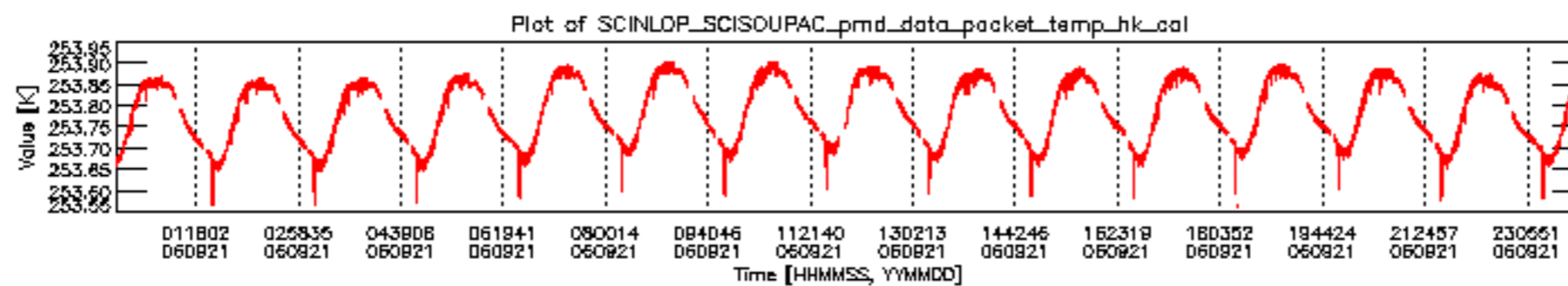


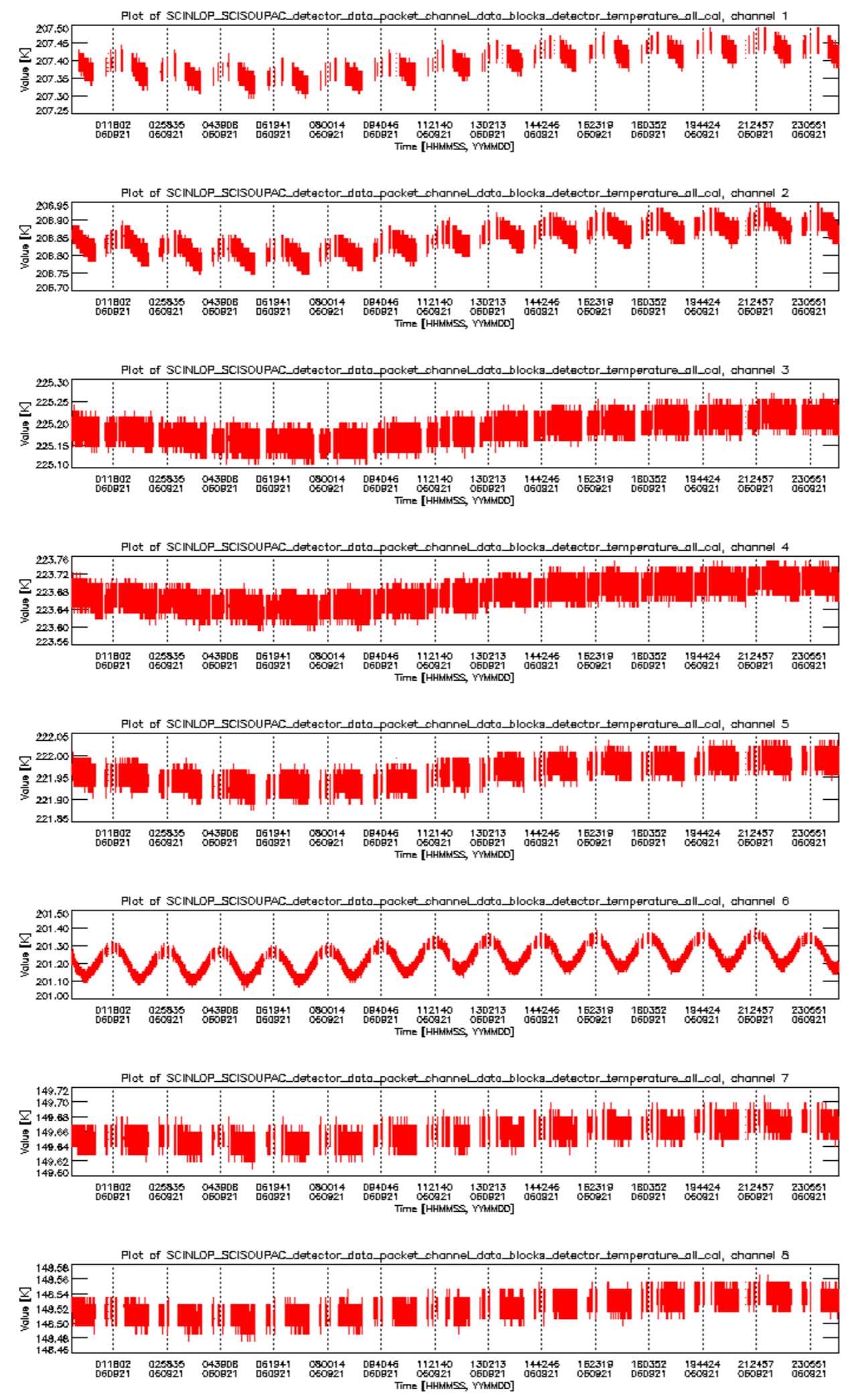
sciamachy_daily_report_level0_PPHS_5_37_N_20060921_8.PNG

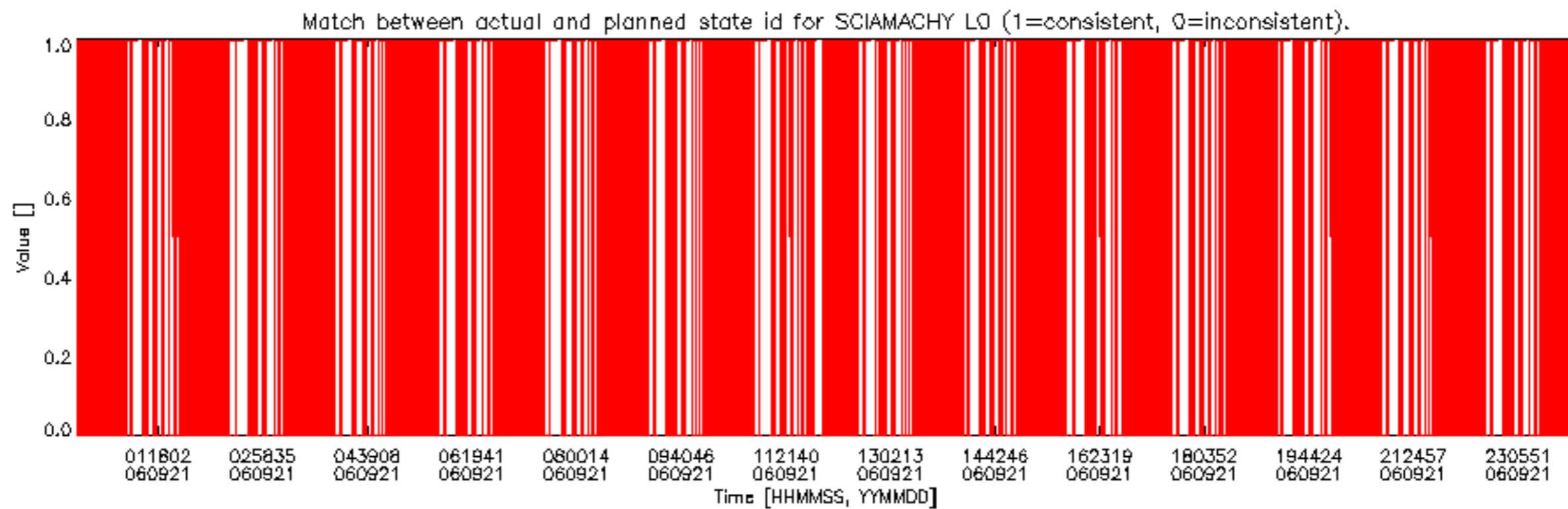
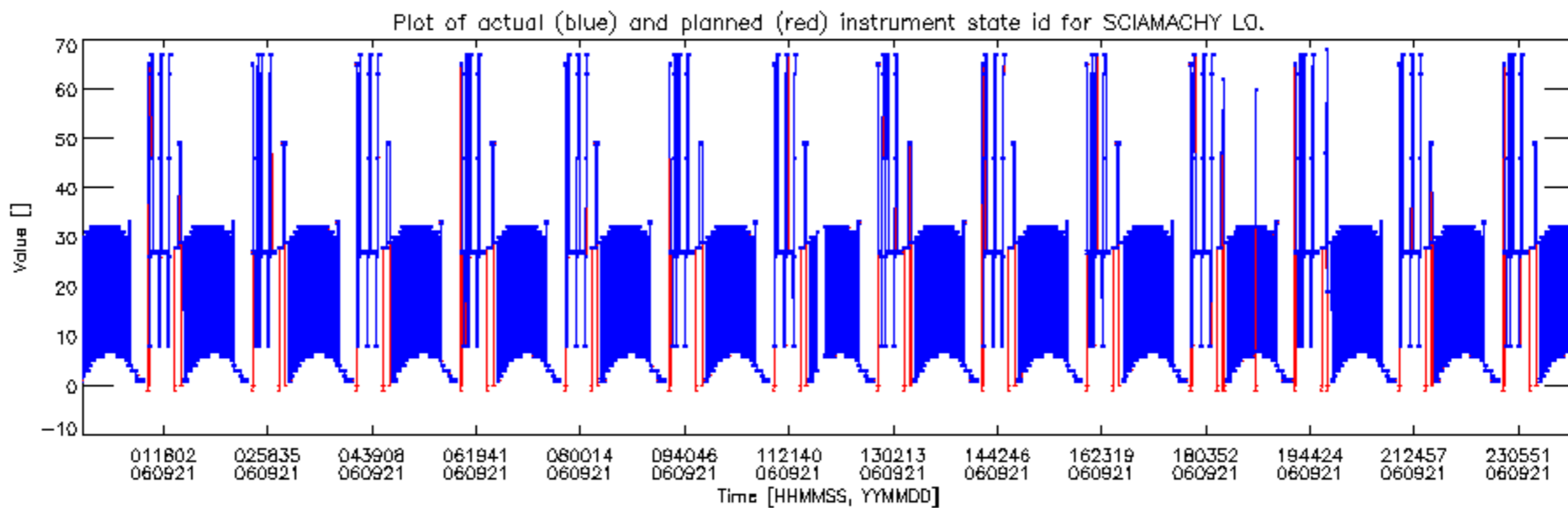












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