

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	03SEP2006 05:15:19
Data source version	PFHS/5.37-N
Processing scope for products	30AUG2006 00:00:00 to 31AUG2006 00:00:00
Start time of first product within scope	29AUG2006 23:14:46
Stop time of last product within scope	31AUG2006 00:27:20
Total number of level 0 products	18
Number of level 0 products with errors	18

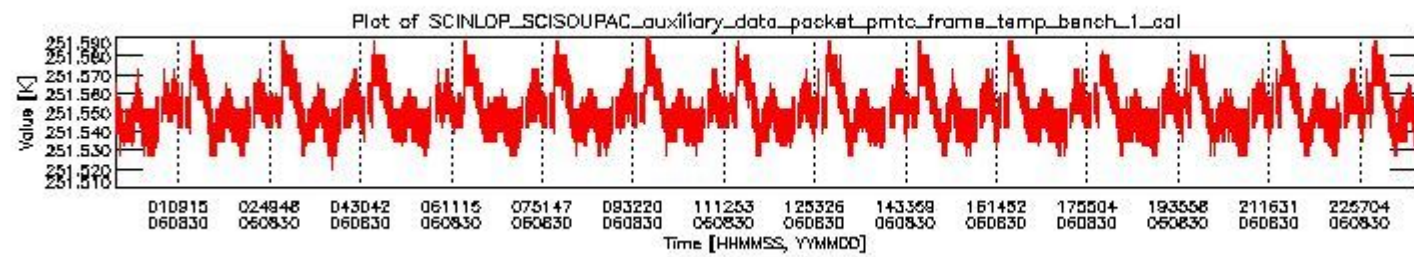
0.1.2 Summary per product

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

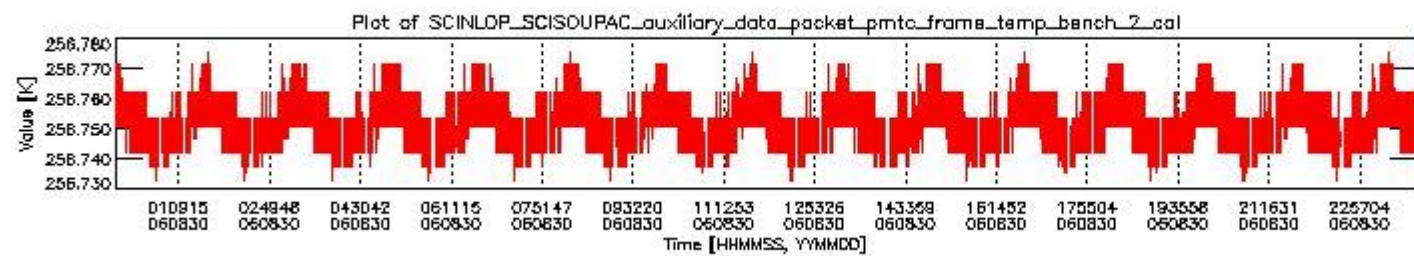
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20060829_231446_000061122050_00416_23516_0462.N1	29AUG2006 23:14:46	30AUG2006 00:56:38	1	0	1	0	0
1	SCI_NL__OPNPDE20060830_005638_000042602050_00417_23517_0468.N1	30AUG2006 00:56:38	30AUG2006 02:07:39	1	0	1	0	0
2	SCI_NL__OPNPDE20060830_005722_000027922050_00417_23517_0467.N1	30AUG2006 00:57:22	30AUG2006 01:43:54	1	0	1	0	0
3	SCI_NL__OPNPDE20060830_020739_000062162050_00418_23518_0464.N1	30AUG2006 02:07:39	30AUG2006 03:51:16	1	0	1	0	0
4	SCI_NL__OPNPDE20060830_035020_000060362050_00419_23519_0465.N1	30AUG2006 03:50:20	30AUG2006 05:30:56	1	0	1	0	0
5	SCI_NL__OPNPDE20060830_053056_000060362050_00420_23520_0466.N1	30AUG2006 05:30:56	30AUG2006 07:11:33	1	0	1	0	0
6	SCI_NL__OPNPDK20060830_071133_000040452050_00421_23521_0579.N1	30AUG2006 07:11:33	30AUG2006 08:18:58	1	0	1	0	0
7	SCI_NL__OPNPDK20060830_081858_000062162050_00422_23522_0580.N1	30AUG2006 08:18:58	30AUG2006 10:02:35	1	0	1	0	0
8	SCI_NL__OPNPDK20060830_100139_000059112050_00423_23523_0581.N1	30AUG2006 10:01:39	30AUG2006 11:40:11	1	0	1	0	0
9	SCI_NL__OPNPDK20060830_114011_000059672050_00424_23524_0582.N1	30AUG2006 11:40:11	30AUG2006 13:19:39	1	0	1	0	0
10	SCI_NL__OPNPDK20060830_131939_000059242050_00425_23525_0583.N1	30AUG2006 13:19:39	30AUG2006 14:58:23	1	0	1	0	0
11	SCI_NL__OPNPDK20060830_145715_000057872050_00426_23526_0584.N1	30AUG2006 14:57:15	30AUG2006 16:33:42	1	0	1	0	0
12	SCI_NL__OPNPDK20060830_145823_000057192050_00426_23526_0587.N1	30AUG2006 14:58:23	30AUG2006 16:33:42	1	0	1	0	0
13	SCI_NL__OPNPDK20060830_163234_000060312050_00427_23527_0585.N1	30AUG2006 16:32:34	30AUG2006 18:13:05	1	0	1	0	0
14	SCI_NL__OPNPDK20060830_181209_000060052050_00428_23528_0586.N1	30AUG2006 18:12:09	30AUG2006 19:52:14	1	0	1	0	0
15	SCI_NL__OPNPDE20060830_195118_000037152050_00429_23529_0471.N1	30AUG2006 19:51:18	30AUG2006 20:53:14	1	0	1	0	0
16	SCI_NL__OPNPDE20060830_205900_000063362050_00429_23529_0472.N1	30AUG2006 20:59:00	30AUG2006 22:44:36	1	0	1	0	0
17	SCI_NL__OPNPDE20060830_224402_000061972050_00430_23530_0473.N1	30AUG2006 22:44:02	31AUG2006 00:27:20	1	0	1	0	0

0.2 Product Quality Indicators

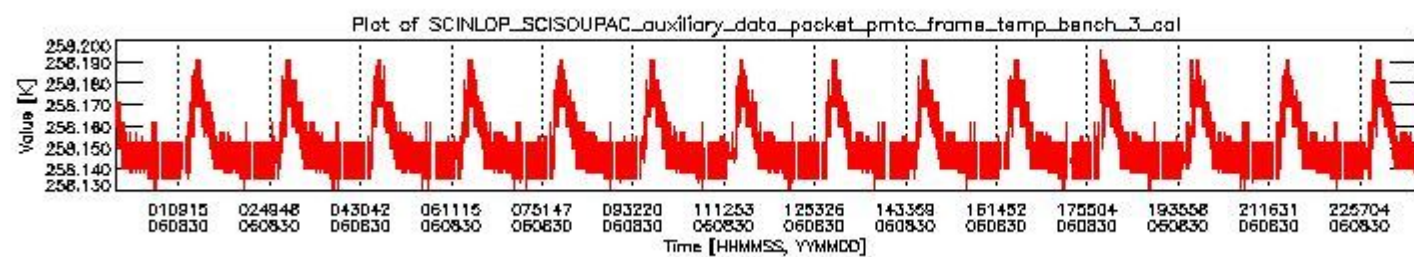
This section shows information about product quality, currently temperatures.



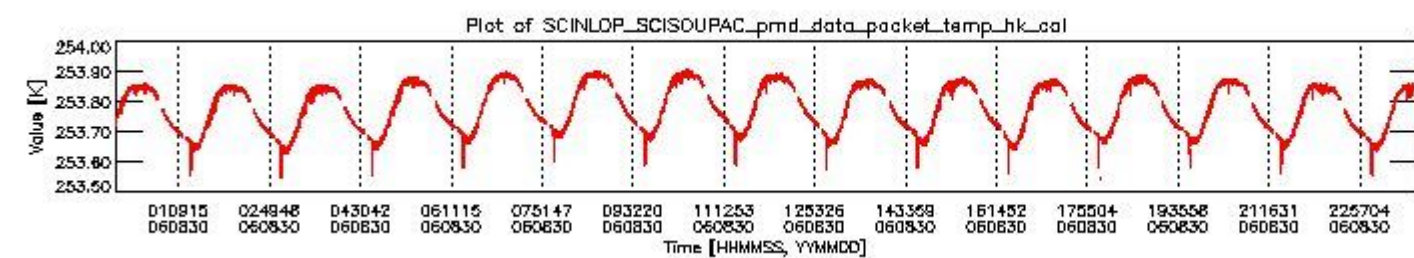
sciamachy_daily_report_level0_PFHS_5_37_N_20060830_0.PNG



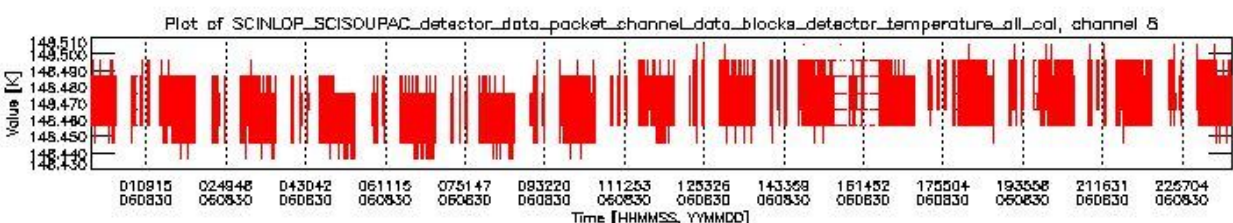
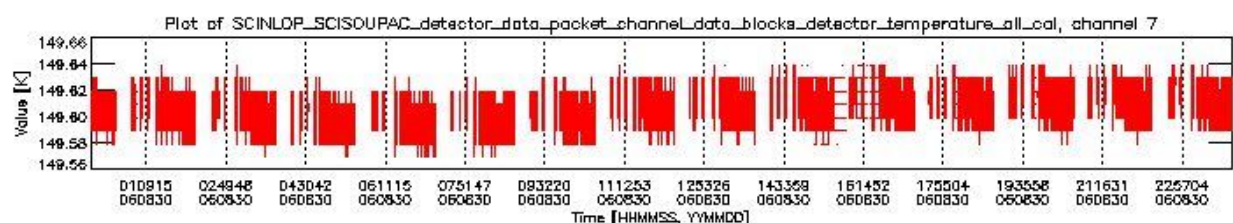
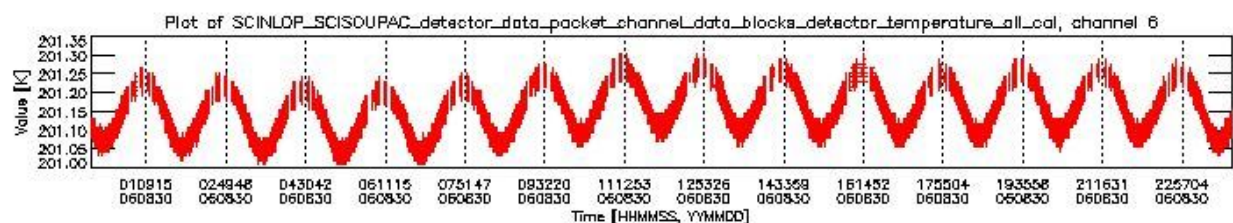
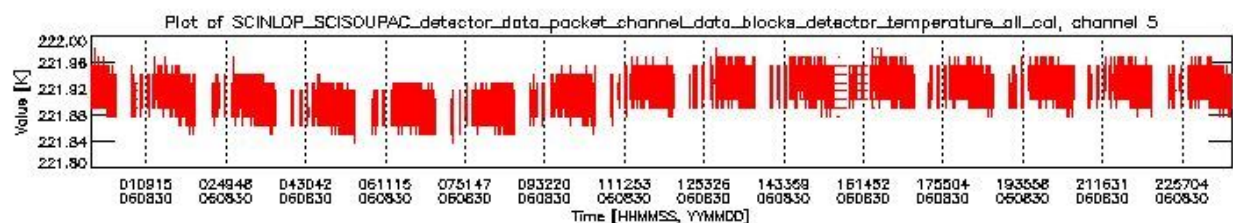
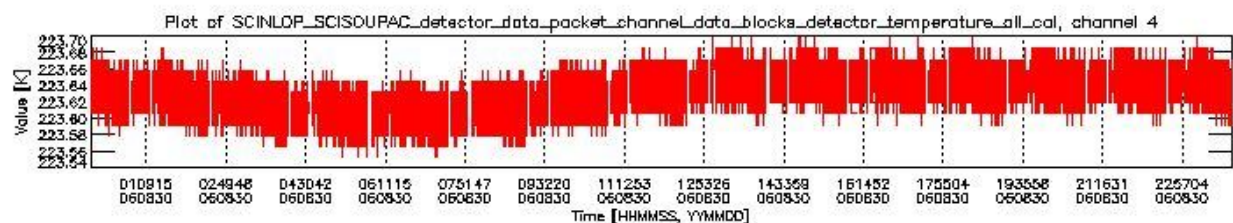
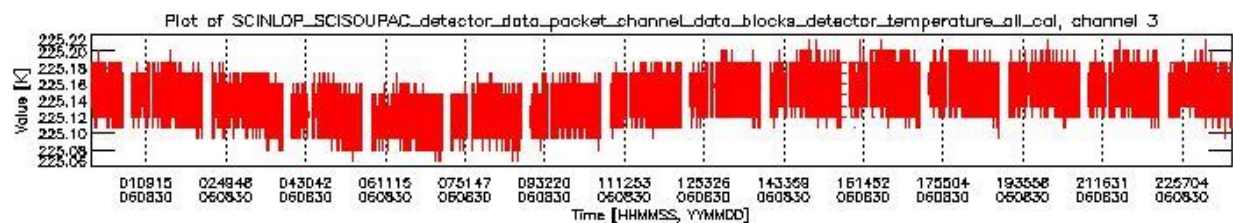
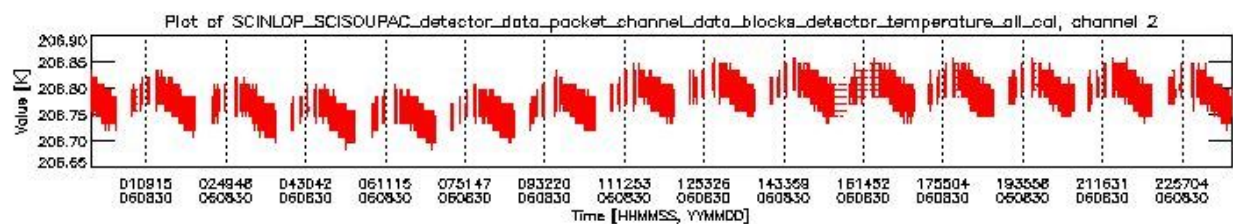
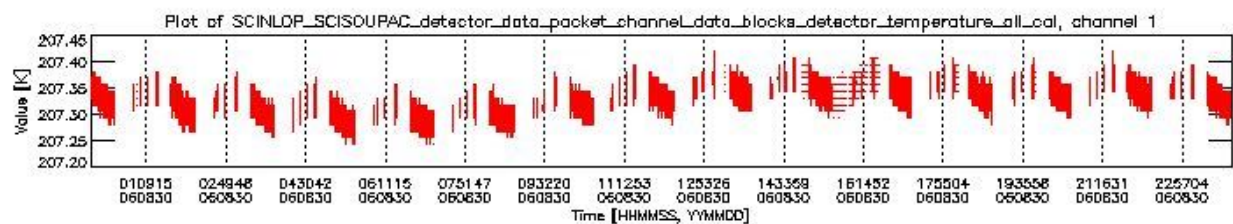
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sciamachy_daily_report_level0_PFHS_5_37_N_20060830_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20060830_3.PNG

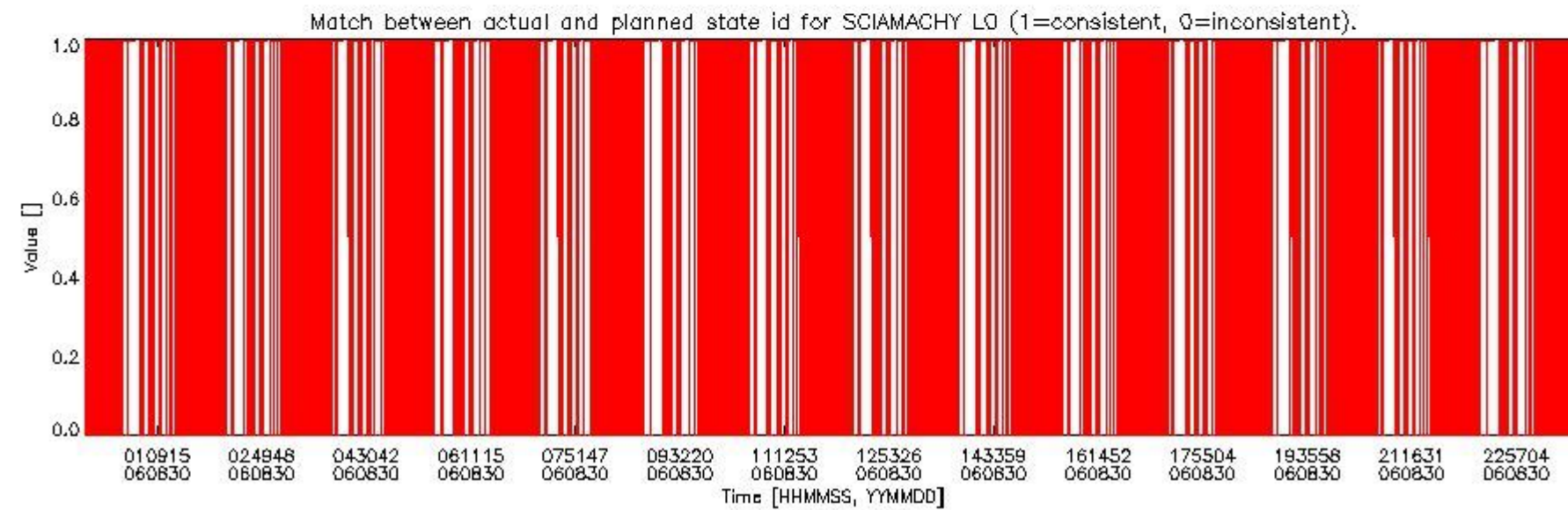
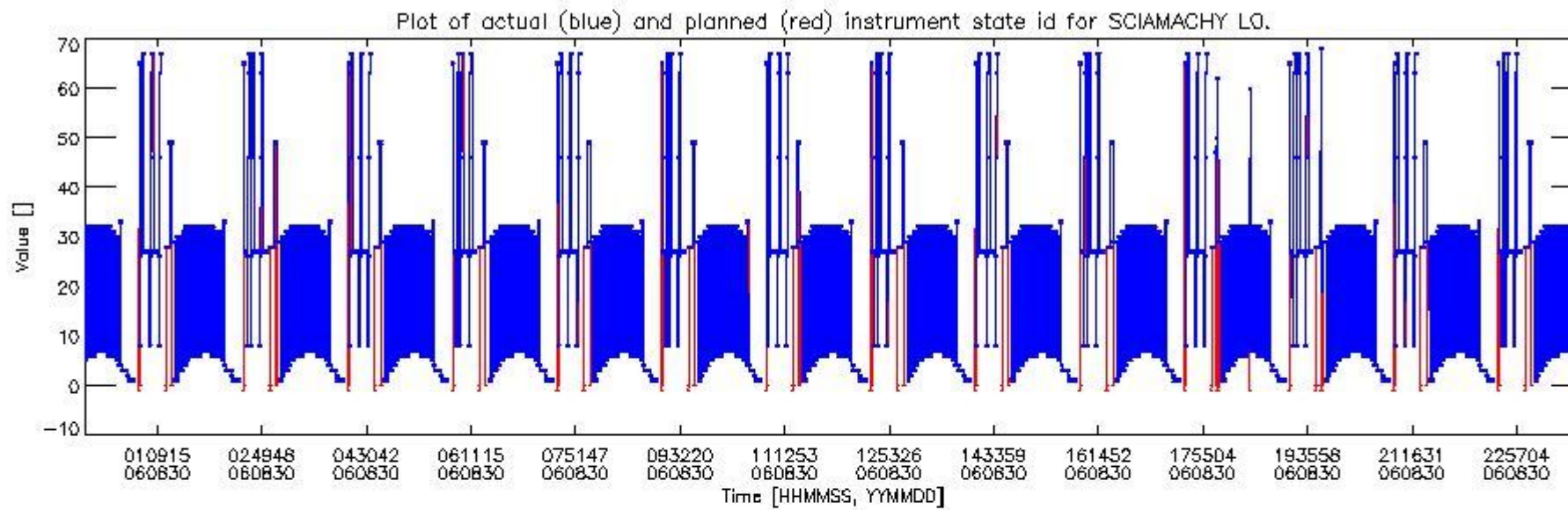


0.3 State monitoring

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: **4743**

#	Actual time	Actual value	Planned time	Planned value
0	30AUG2006 00:00:05.495042	32	30AUG2006 00:00:05.495042	5
1	30AUG2006 00:00:06.120023	32	30AUG2006 00:00:06.120023	5
2	30AUG2006 00:01:01.362210	6	30AUG2006 00:01:01.362210	32
3	30AUG2006 00:01:01.737223	6	30AUG2006 00:01:01.737223	32
4	30AUG2006 00:01:01.987191	6	30AUG2006 00:01:01.987191	32
5	30AUG2006 00:01:02.237200	6	30AUG2006 00:01:02.237200	32
6	30AUG2006 00:02:09.920800	32	30AUG2006 00:02:09.920800	6
7	30AUG2006 00:02:10.545782	32	30AUG2006 00:02:10.545782	6
8	30AUG2006 00:03:05.795814	6	30AUG2006 00:03:05.795814	32
9	30AUG2006 00:03:06.170787	6	30AUG2006 00:03:06.170787	32
10	30AUG2006 00:03:06.420795	6	30AUG2006 00:03:06.420795	32
11	30AUG2006 00:03:06.670804	6	30AUG2006 00:03:06.670804	32
12	30AUG2006 00:04:14.354404	32	30AUG2006 00:04:14.354404	6
13	30AUG2006 00:04:14.979385	32	30AUG2006 00:04:14.979385	6
14	30AUG2006 00:05:10.225475	6	30AUG2006 00:05:10.225475	32
15	30AUG2006 00:05:10.600488	6	30AUG2006 00:05:10.600488	32
16	30AUG2006 00:05:10.850497	6	30AUG2006 00:05:10.850497	32
17	30AUG2006 00:05:11.100465	6	30AUG2006 00:05:11.100465	32
18	30AUG2006 00:06:18.784065	32	30AUG2006 00:06:18.784065	6
19	30AUG2006 00:06:19.409087	32	30AUG2006 00:06:19.409087	6

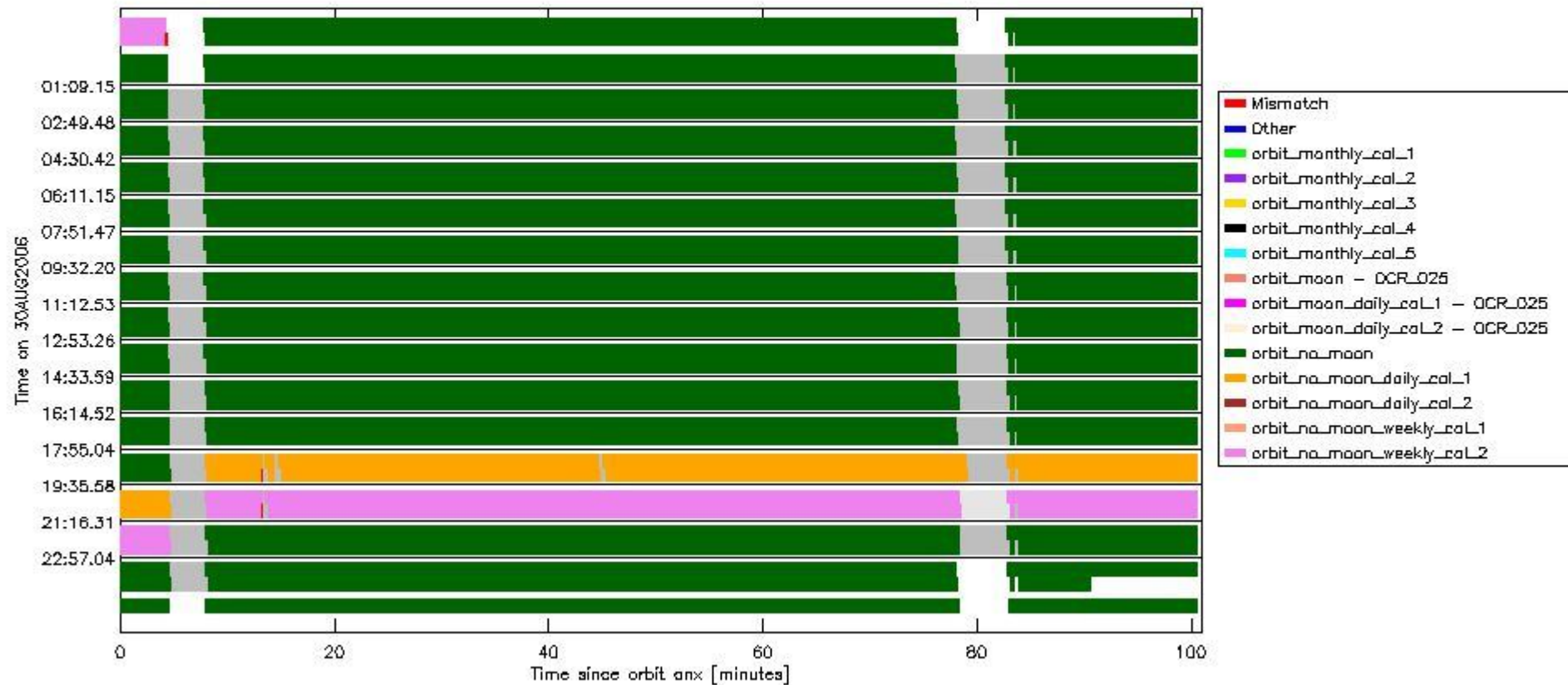


sciamachy_daily_report_level0_PFHS_5_37_N_20060830_5.PNG

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 30AUG2006.
 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_20060830_6.PNG

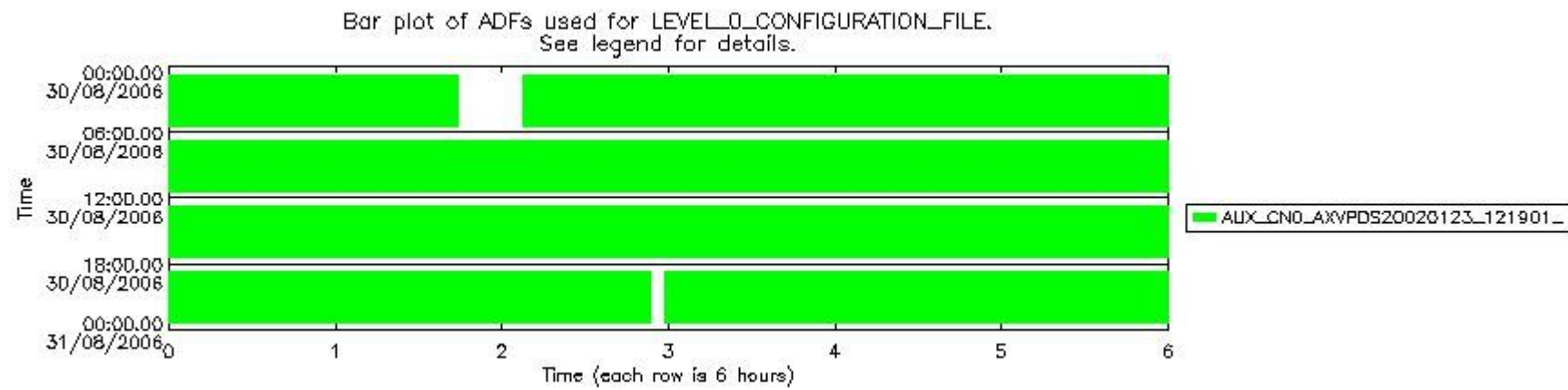
0.4 ADF monitoring

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

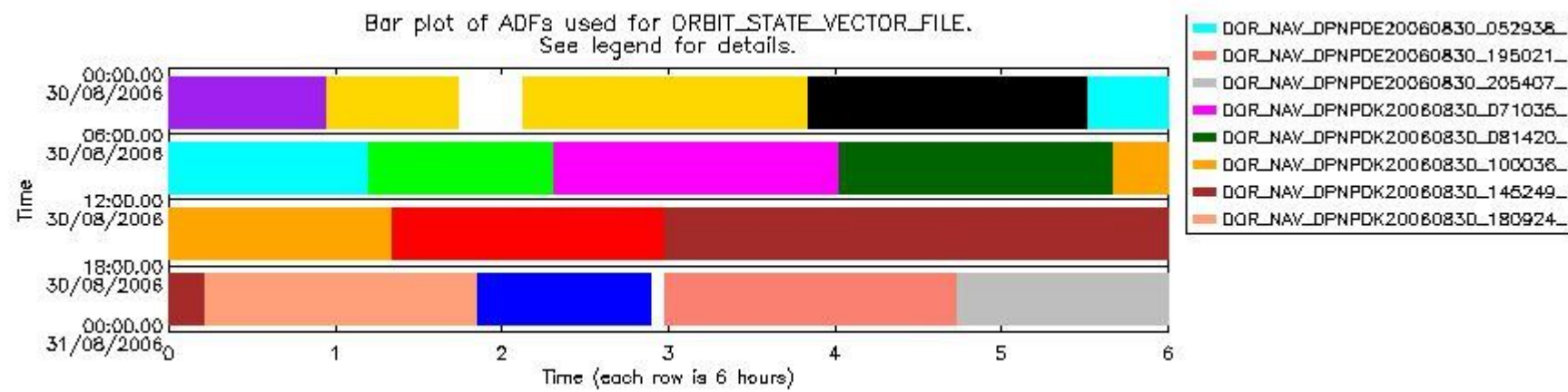
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

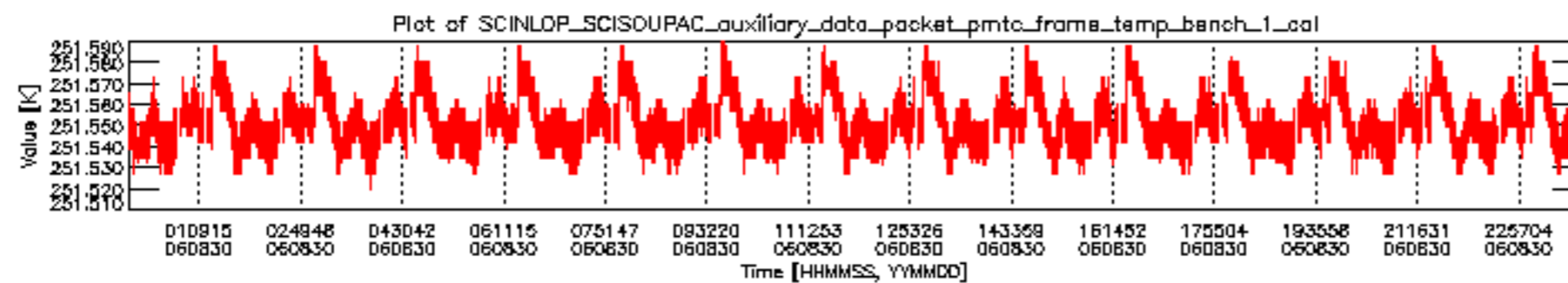
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20060827_224253_20060827_193011_20060906_205622
2	AUX_FPO_AXVPDS20060829_232932_20060829_182656_20060908_213344
3	AUX_FPO_AXVPDS20060830_141445_20060829_182656_20060908_213344
4	DOR_NAV_OPNPDE20060829_213127_000057382050_00415_23515_0450.N1
5	DOR_NAV_OPNPDE20060830_005321_000041442050_00417_23517_0452.N1
6	DOR_NAV_OPNPDE20060830_020744_000057382050_00418_23518_0453.N1
7	DOR_NAV_OPNPDE20060830_052938_000057382050_00420_23520_0455.N1
8	DOR_NAV_OPNPDE20060830_195021_000035062050_00429_23529_0457.N1
9	DOR_NAV_OPNPDE20060830_205407_000060572050_00429_23529_0458.N1
10	DOR_NAV_OPNPDK20060830_071035_000035062050_00421_23521_0588.N1
11	DOR_NAV_OPNPDK20060830_081420_000060562050_00422_23522_0589.N1
12	DOR_NAV_OPNPDK20060830_100036_000054192050_00423_23523_0590.N1
13	DOR_NAV_OPNPDK20060830_145249_000054192050_00426_23526_0593.N1
14	DOR_NAV_OPNPDK20060830_180924_000057382050_00428_23528_0595.N1

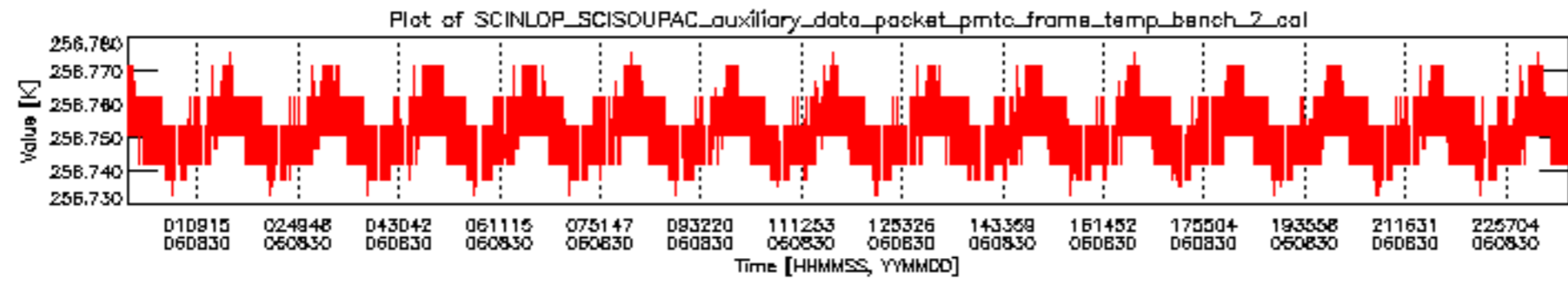


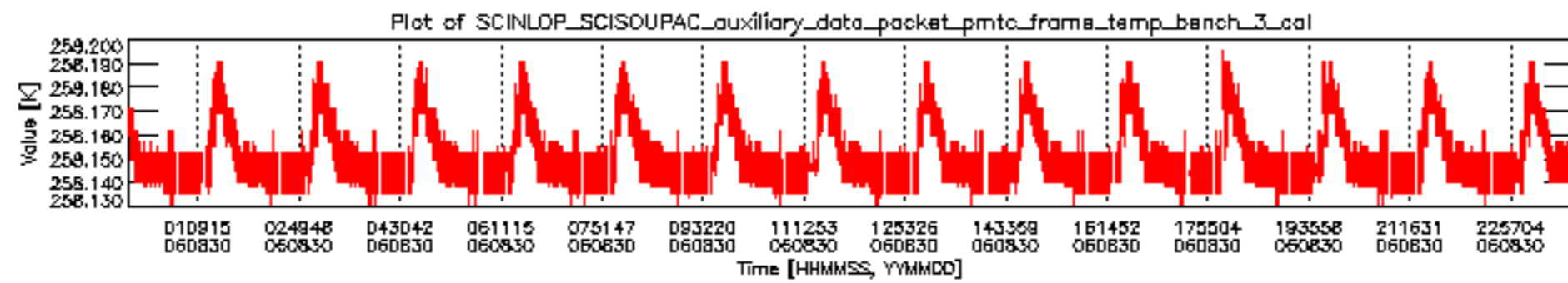
sciamachy_daily_report_level0_PFHS_5_37_N_20060830_7.PNG

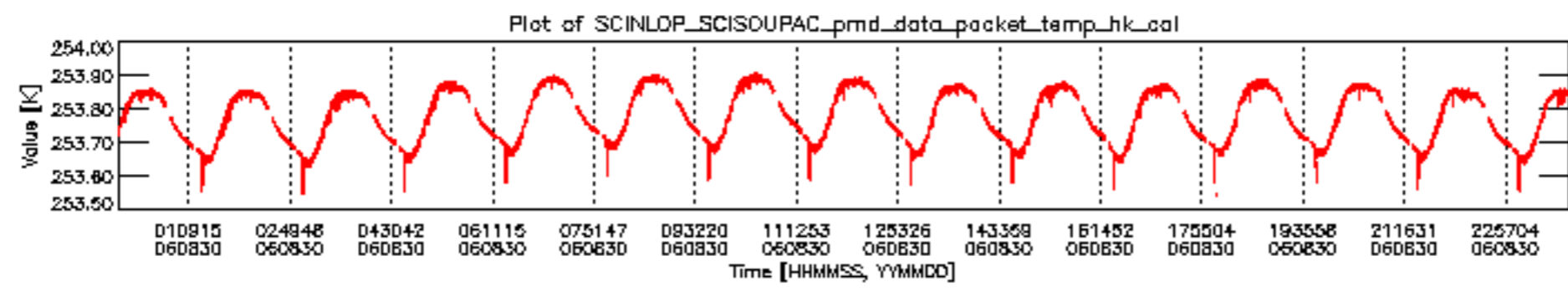


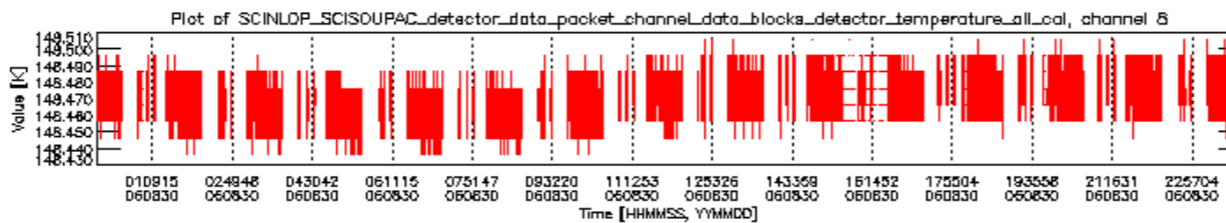
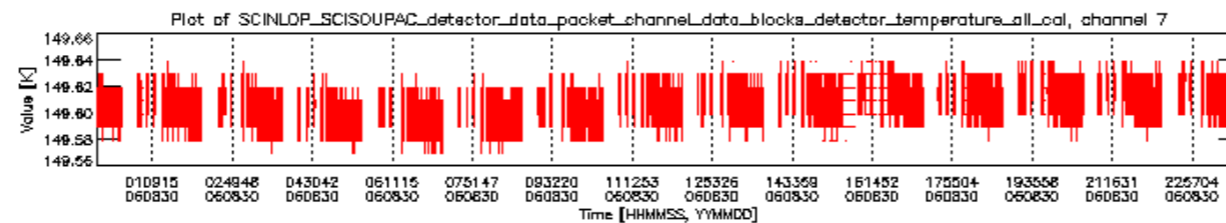
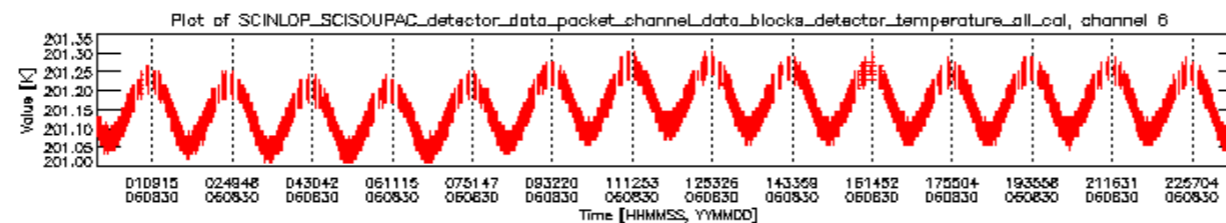
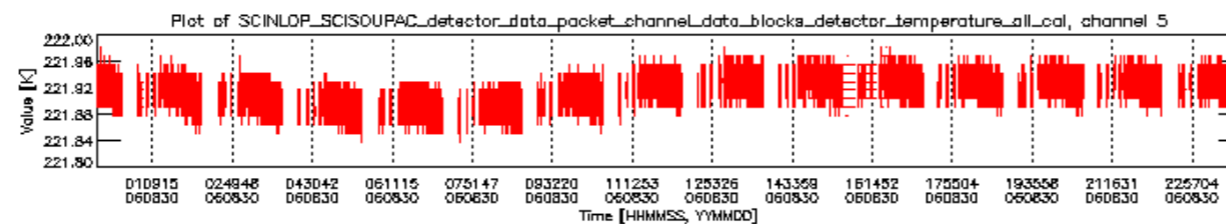
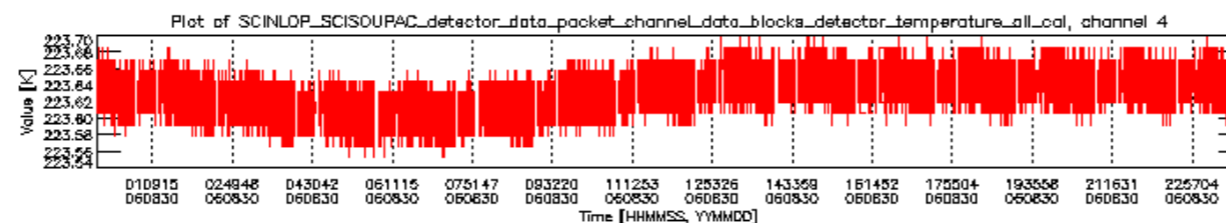
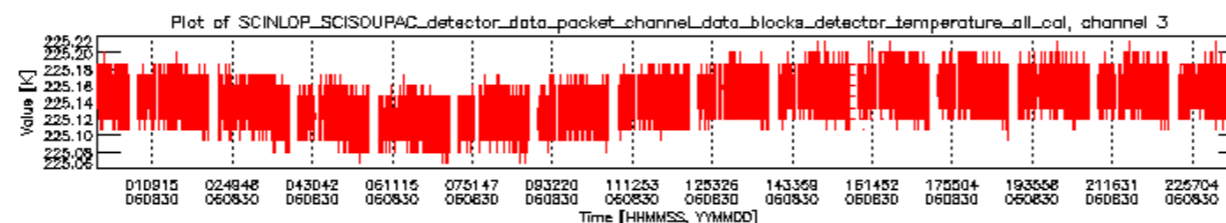
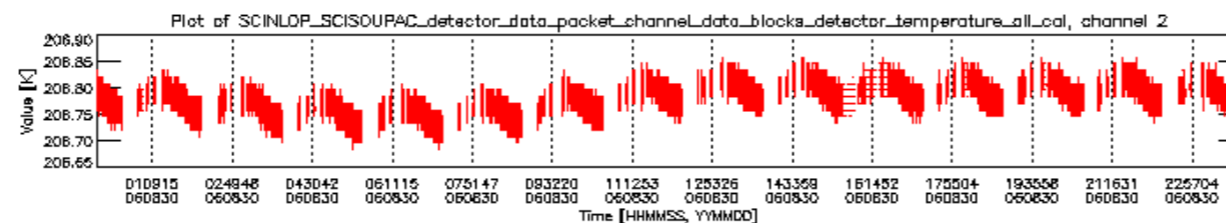
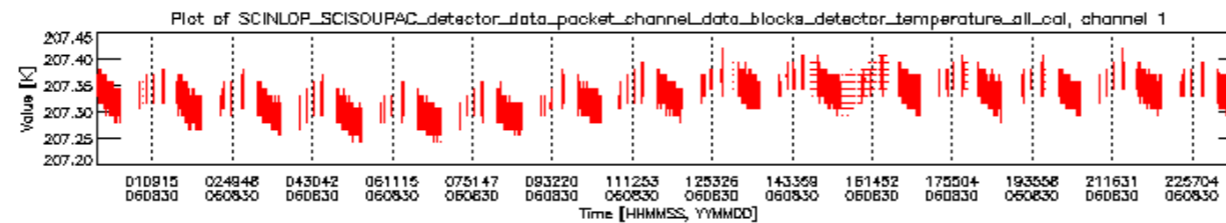
sciamachy_daily_report_level0_PFHS_5_37_N_20060830_8.PNG

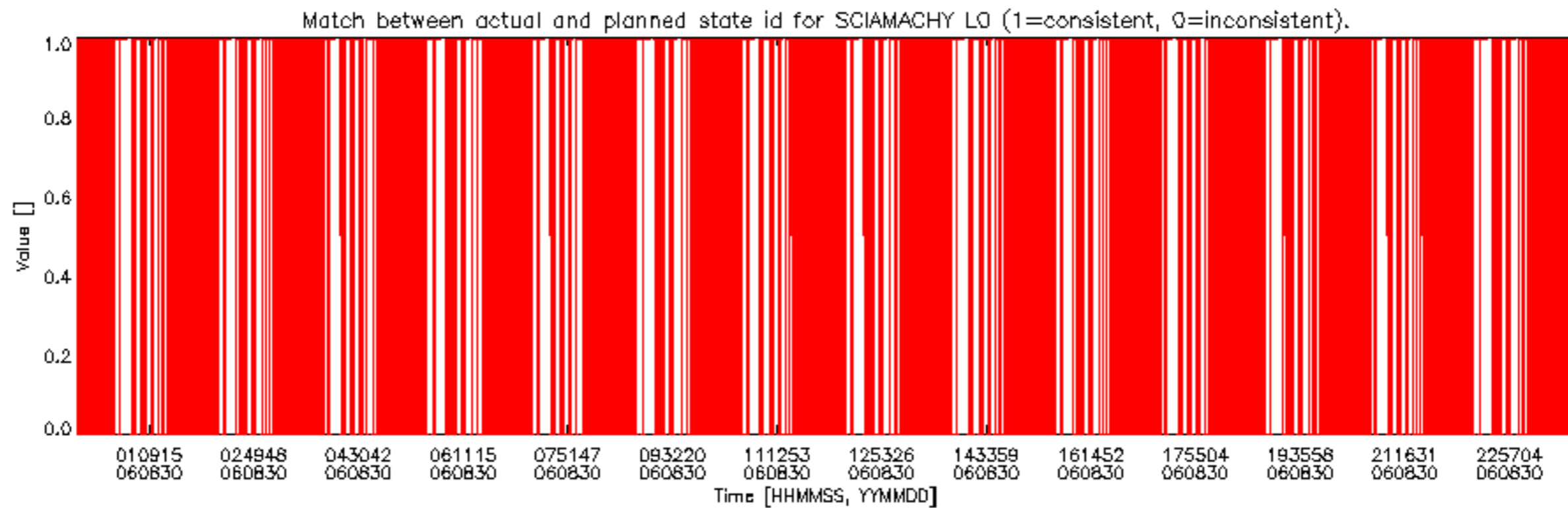
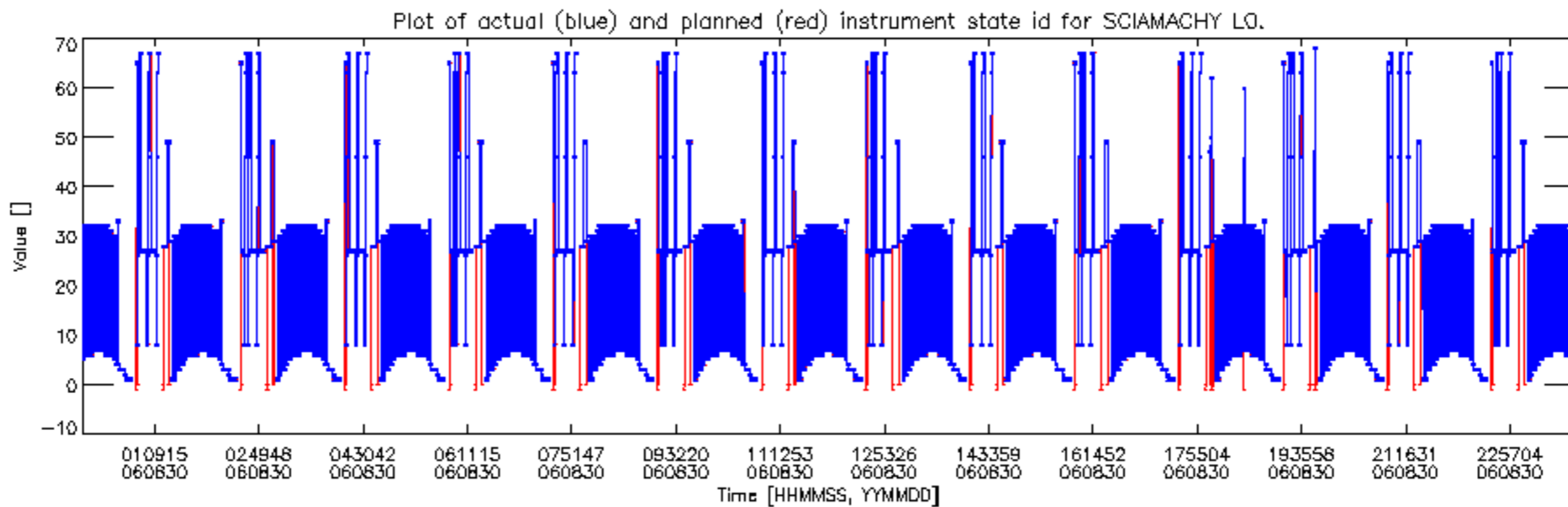












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