

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	04JUN2008 05:01:54
Data source version	KSPT_L0/4303-N
Processing scope for products	31MAY2008 00:00:00 to 01JUN2008 00:00:00
Start time of first product within scope	30MAY2008 23:01:49
Stop time of last product within scope	01JUN2008 00:11:17
Total number of level 0 products	16
Number of level 0 products with errors	1

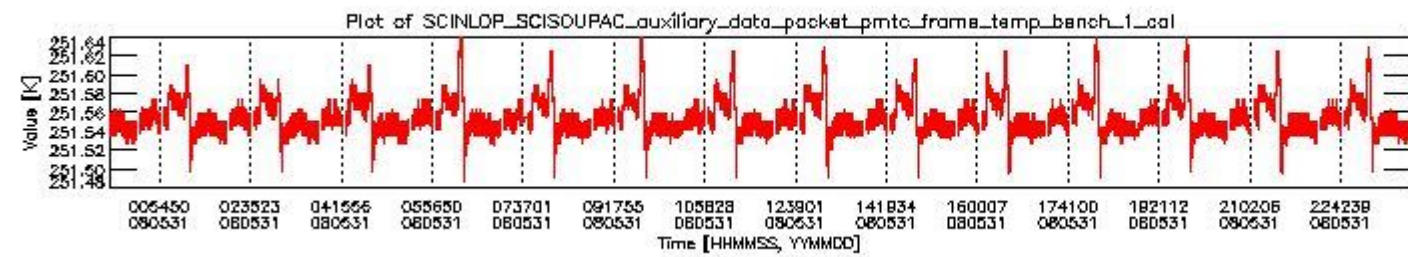
0.1.2 Summary per product

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

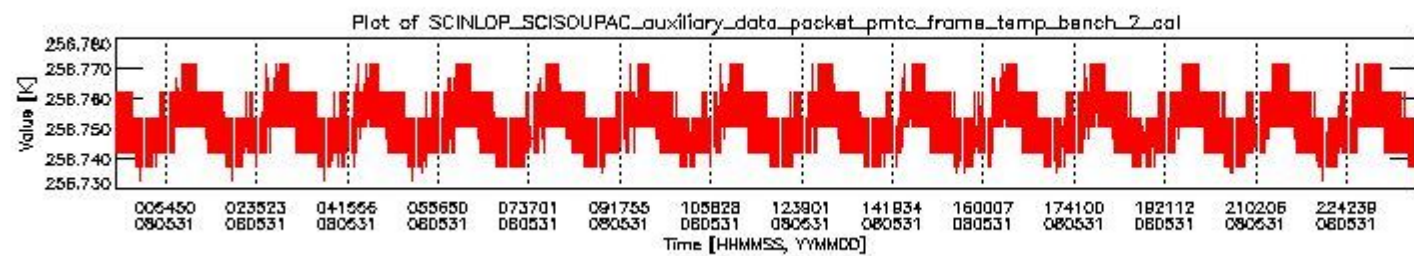
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080530_230149_000061552069_00058_32677_6870.N1	30MAY2008 23:01:49	31MAY2008 00:44:25	0	0	0	0	0
1	SCI_NL__OPNPDE20080531_004257_000057402069_00059_32678_6871.N1	31MAY2008 00:42:57	31MAY2008 02:18:37	0	0	0	0	0
2	SCI_NL__OPNPDE20080531_021629_000046842069_00060_32679_6872.N1	31MAY2008 02:16:29	31MAY2008 03:34:33	0	0	0	0	0
3	SCI_NL__OPNPDE20080531_033433_000061602069_00061_32680_6873.N1	31MAY2008 03:34:33	31MAY2008 05:17:13	0	0	0	0	0
4	SCI_NL__OPNPDE20080531_051605_000061042069_00062_32681_6874.N1	31MAY2008 05:16:05	31MAY2008 06:57:49	0	0	0	0	0
5	SCI_NL__OPNPDK20080531_065749_000040452069_00063_32682_8359.N1	31MAY2008 06:57:49	31MAY2008 08:05:14	0	0	0	0	0
6	SCI_NL__OPNPDK20080531_080405_000061732069_00064_32683_8360.N1	31MAY2008 08:04:05	31MAY2008 09:46:58	0	0	0	0	0
7	SCI_NL__OPNPDK20080531_094550_000059672069_00065_32684_8361.N1	31MAY2008 09:45:50	31MAY2008 11:25:17	0	0	0	0	0
8	SCI_NL__OPNPDK20080531_112517_000059802069_00066_32685_8362.N1	31MAY2008 11:25:17	31MAY2008 13:04:57	0	0	0	0	0
9	SCI_NL__OPNPDK20080531_130457_000059112069_00067_32686_8363.N1	31MAY2008 13:04:57	31MAY2008 14:43:28	0	0	0	0	0
10	SCI_NL__OPNPDK20080531_144328_000058562069_00068_32687_8364.N1	31MAY2008 14:43:28	31MAY2008 16:21:04	0	0	0	0	0
11	SCI_NL__OPNPDK20080531_161955_000059672069_00069_32688_8365.N1	31MAY2008 16:19:55	31MAY2008 17:59:22	0	0	0	0	0
12	SCI_NL__OPNPDK20080531_175826_000060222069_00070_32689_8366.N1	31MAY2008 17:58:26	31MAY2008 19:38:48	1	1	1	0	1
13	SCI_NL__OPNPDE20080531_193740_000040552069_00071_32690_6875.N1	31MAY2008 19:37:40	31MAY2008 20:45:14	0	0	0	0	0
14	SCI_NL__OPNPDE20080531_204354_000064202069_00071_32690_6876.N1	31MAY2008 20:43:54	31MAY2008 22:30:54	0	0	0	0	0
15	SCI_NL__OPNPDE20080531_223010_000060672069_00072_32691_6877.N1	31MAY2008 22:30:10	01JUN2008 00:11:17	0	0	0	0	0

0.2 Product Quality Indicators

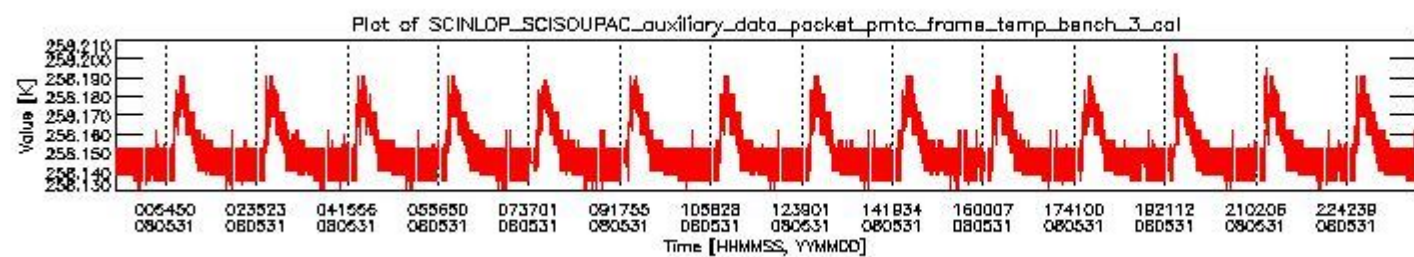
This section shows information about product quality, currently temperatures.



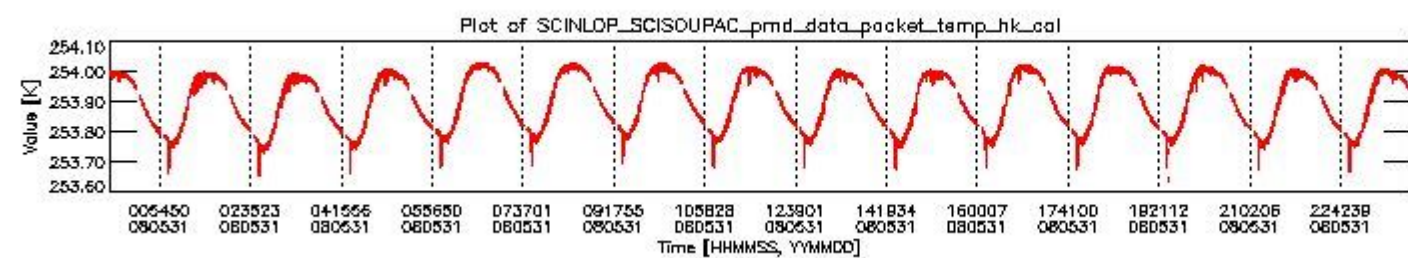
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080531_0.PNG



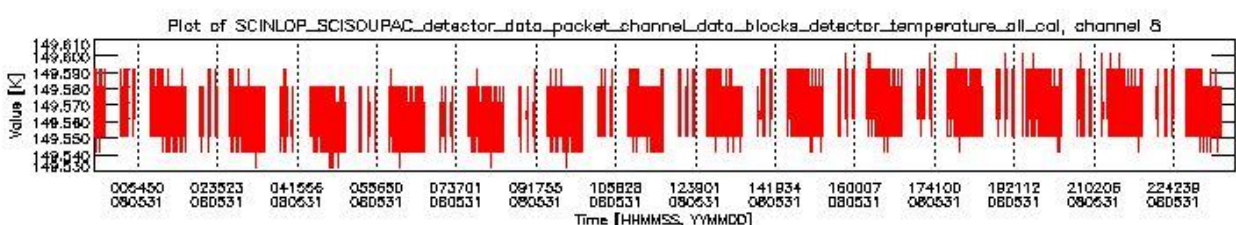
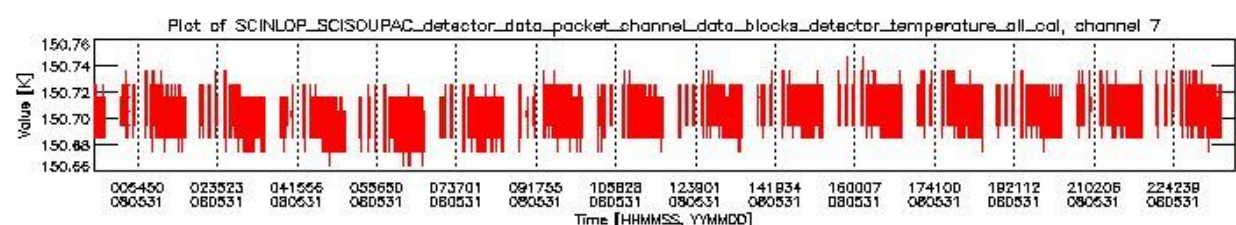
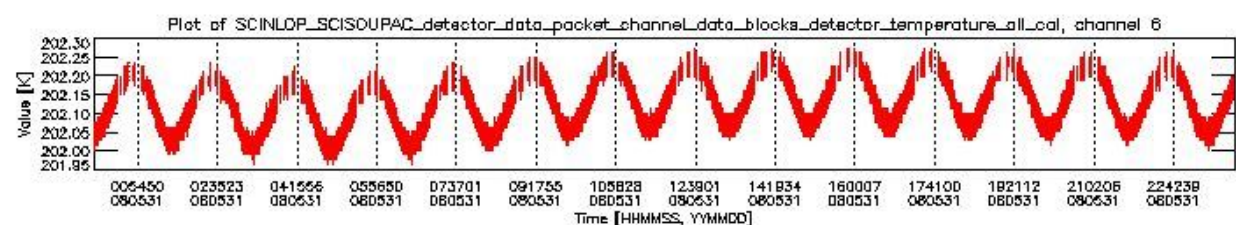
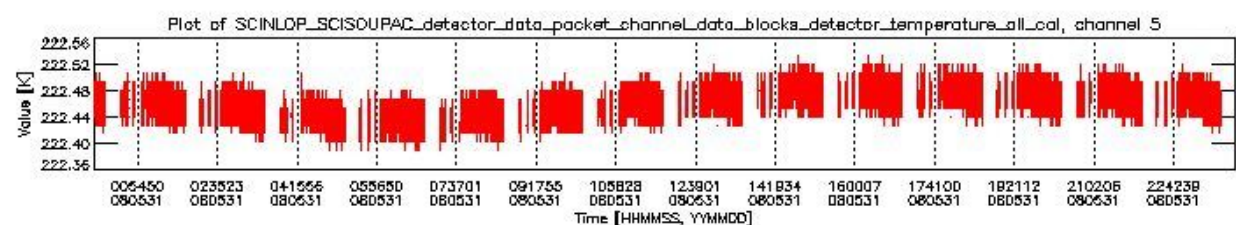
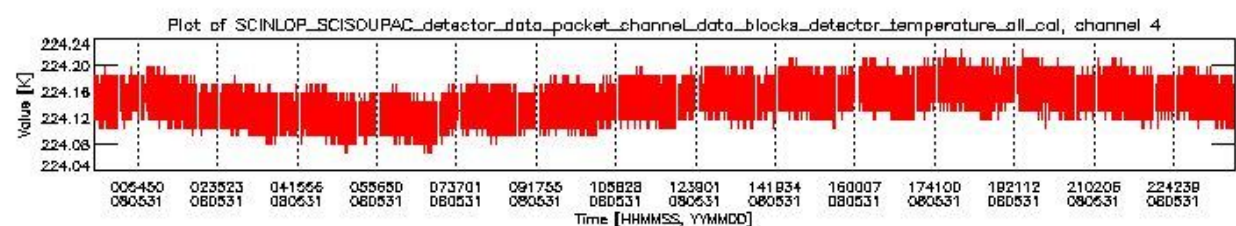
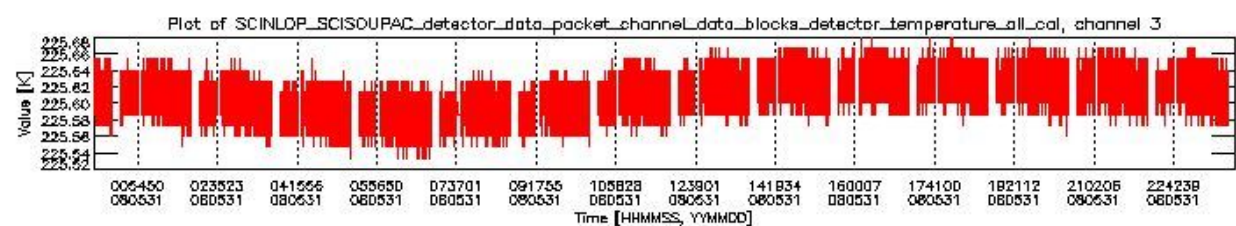
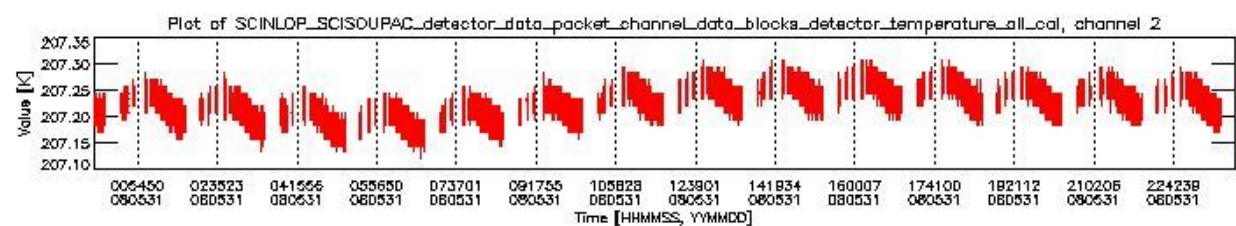
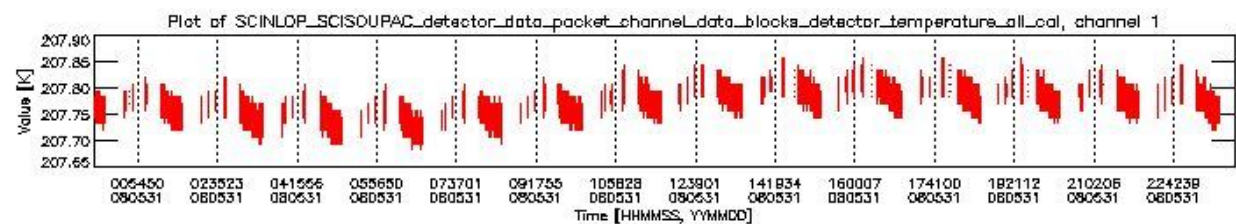
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080531_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080531_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080531_3.PNG

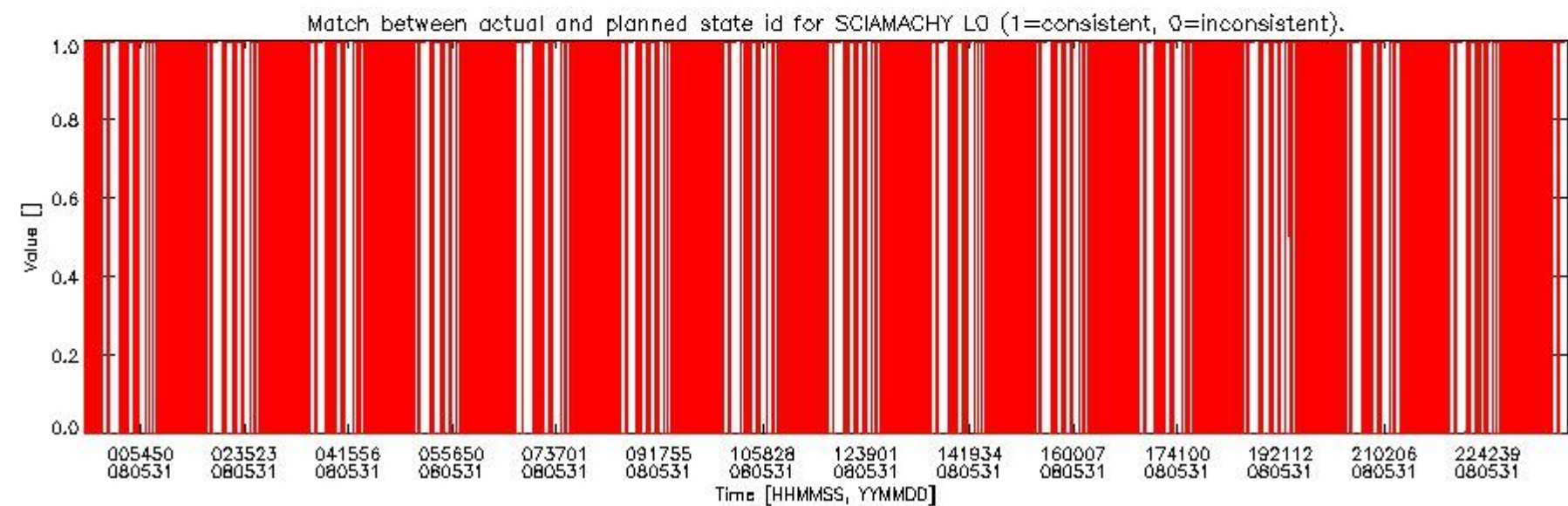
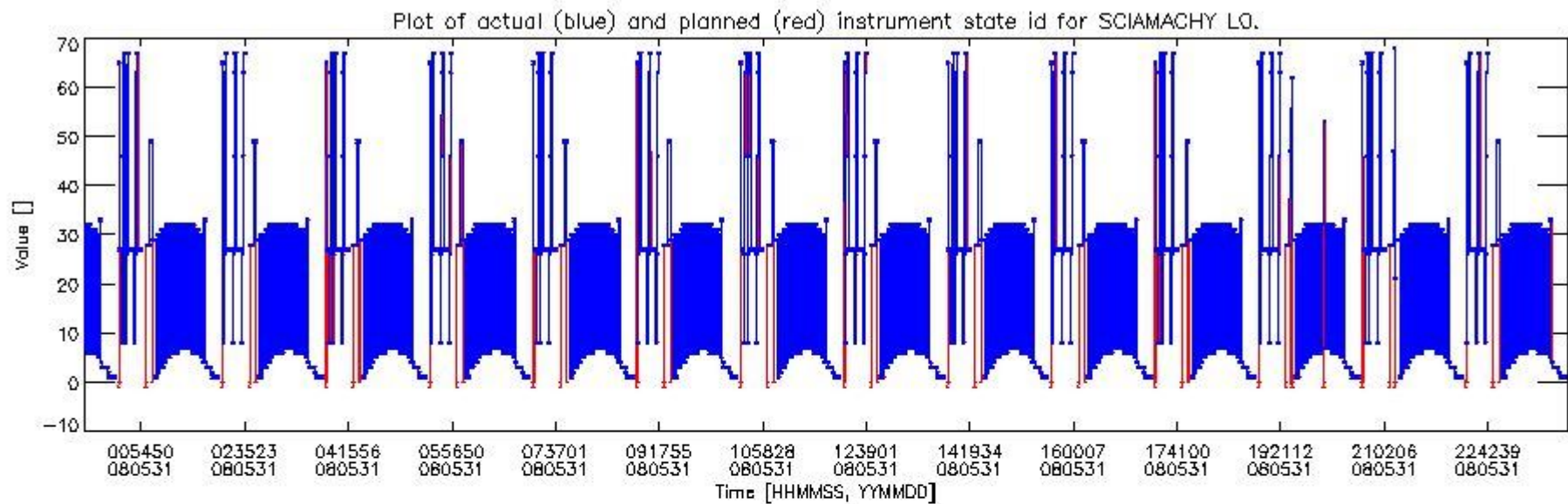


0.3 State monitoring

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: **33199**

#	Actual time	Actual value	Planned time	Planned value
0	31MAY2008 00:00:00.290604	32	31MAY2008 00:00:00.290604	7
1	31MAY2008 00:00:00.665577	32	31MAY2008 00:00:00.665577	7
2	31MAY2008 00:00:01.040590	32	31MAY2008 00:00:01.040590	7
3	31MAY2008 00:00:01.603089	32	31MAY2008 00:00:01.603089	7
4	31MAY2008 00:00:01.978102	32	31MAY2008 00:00:01.978102	7
5	31MAY2008 00:00:02.353115	32	31MAY2008 00:00:02.353115	7
6	31MAY2008 00:00:02.728088	32	31MAY2008 00:00:02.728088	7
7	31MAY2008 00:00:03.290588	32	31MAY2008 00:00:03.290588	7
8	31MAY2008 00:00:03.665601	32	31MAY2008 00:00:03.665601	7
9	31MAY2008 00:00:04.040614	32	31MAY2008 00:00:04.040614	7
10	31MAY2008 00:00:04.415587	32	31MAY2008 00:00:04.415587	7
11	31MAY2008 00:00:04.665595	32	31MAY2008 00:00:04.665595	7
12	31MAY2008 00:00:04.978086	32	31MAY2008 00:00:04.978086	7
13	31MAY2008 00:00:05.353099	32	31MAY2008 00:00:05.353099	7
14	31MAY2008 00:00:05.728112	32	31MAY2008 00:00:05.728112	7
15	31MAY2008 00:00:06.103085	32	31MAY2008 00:00:06.103085	7
16	31MAY2008 00:00:06.665584	32	31MAY2008 00:00:06.665584	7
17	31MAY2008 00:00:07.040597	32	31MAY2008 00:00:07.040597	7
18	31MAY2008 00:00:07.415611	32	31MAY2008 00:00:07.415611	7
19	31MAY2008 00:00:55.536693	7	31MAY2008 00:00:55.536693	32

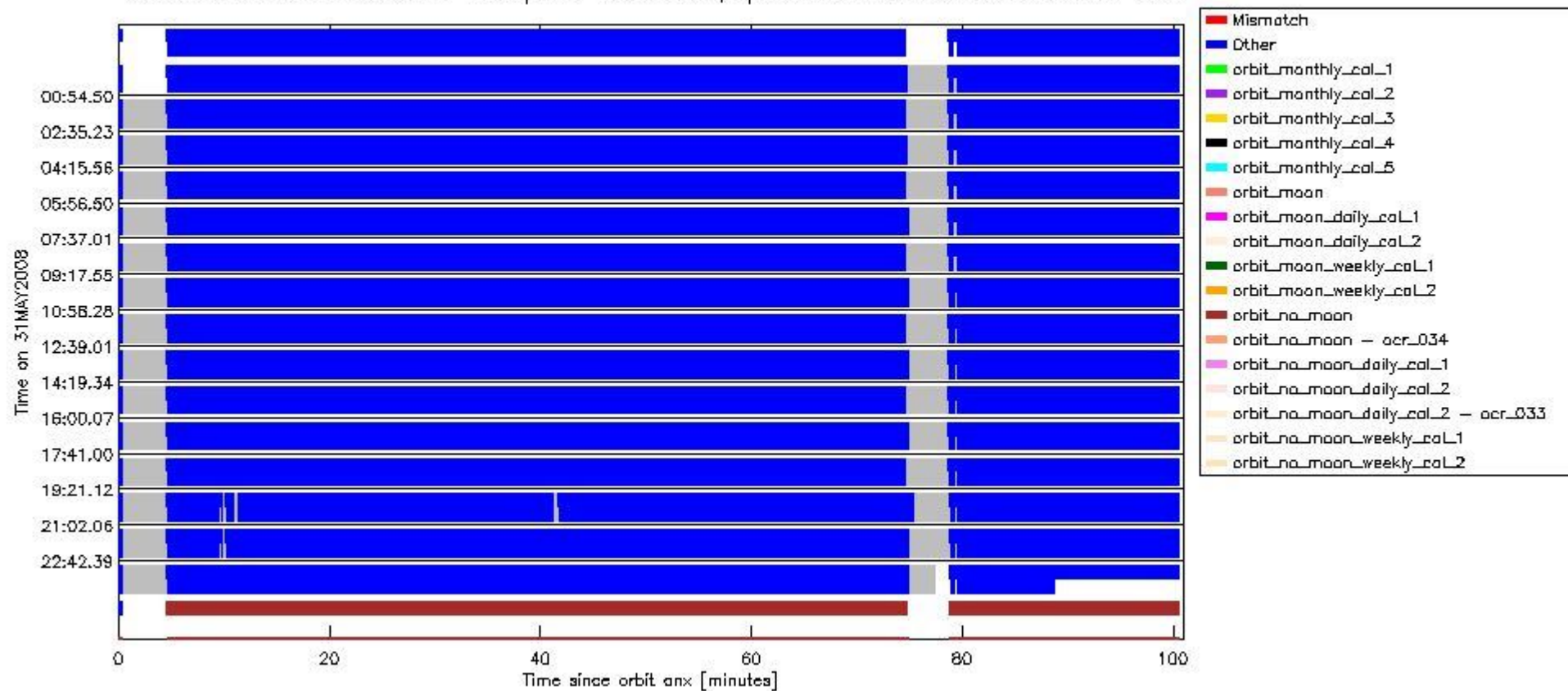


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080531_5.PNG

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 31MAY2008.
 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_KSPT_L0_4303_N_20080531_6.PNG

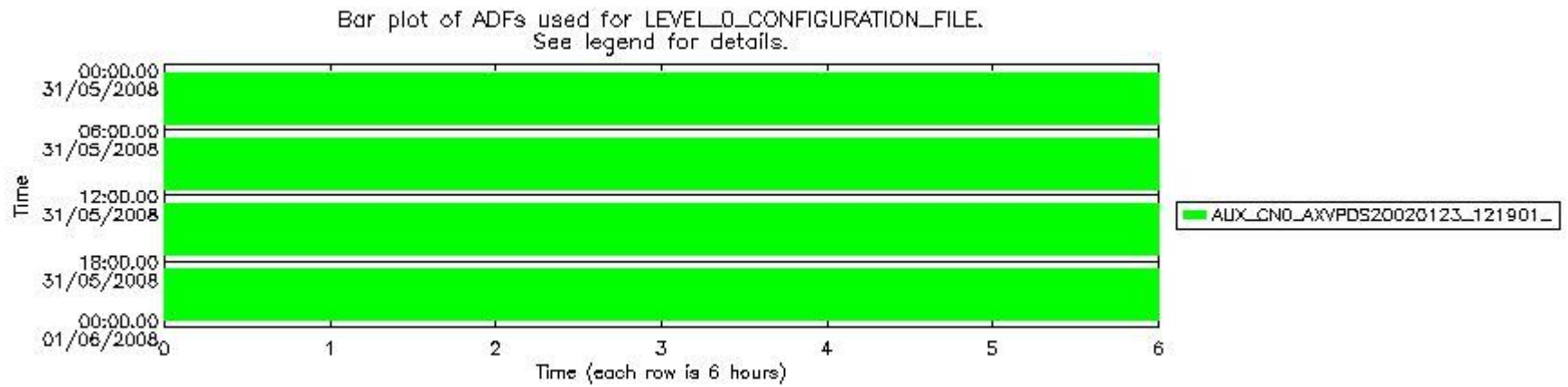
0.4 ADF monitoring

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

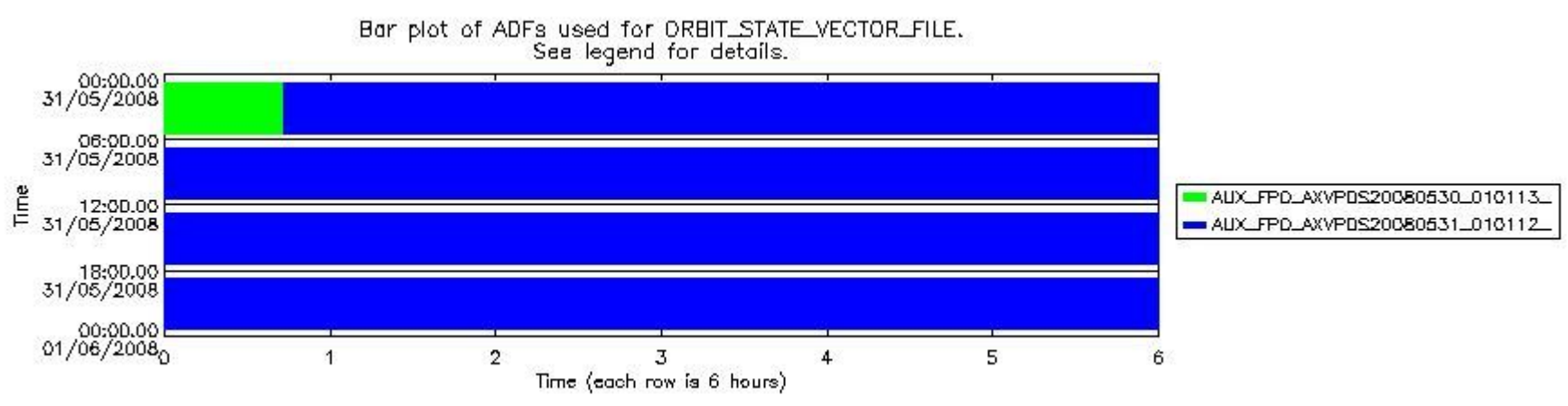
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

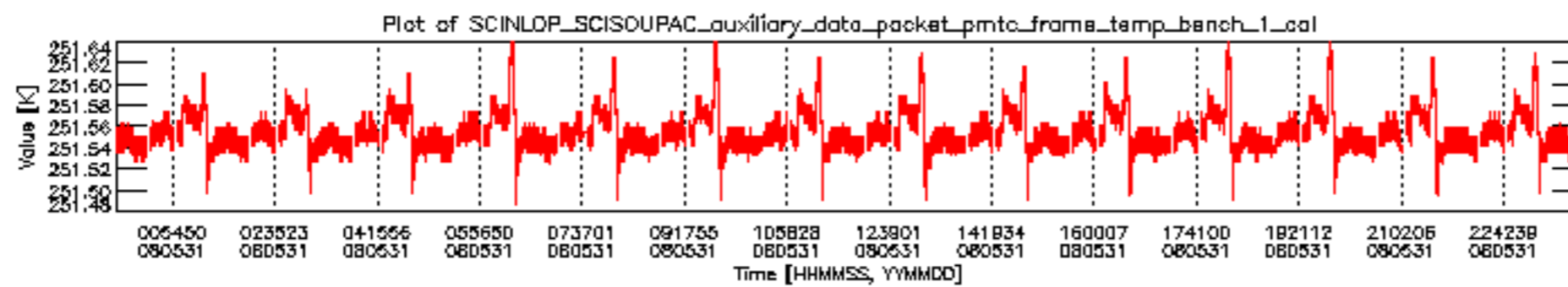
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080530_010113_20080529_184403_20080608_201017
2	AUX_FPO_AXVPDS20080531_010112_20080530_195302_20080609_211916

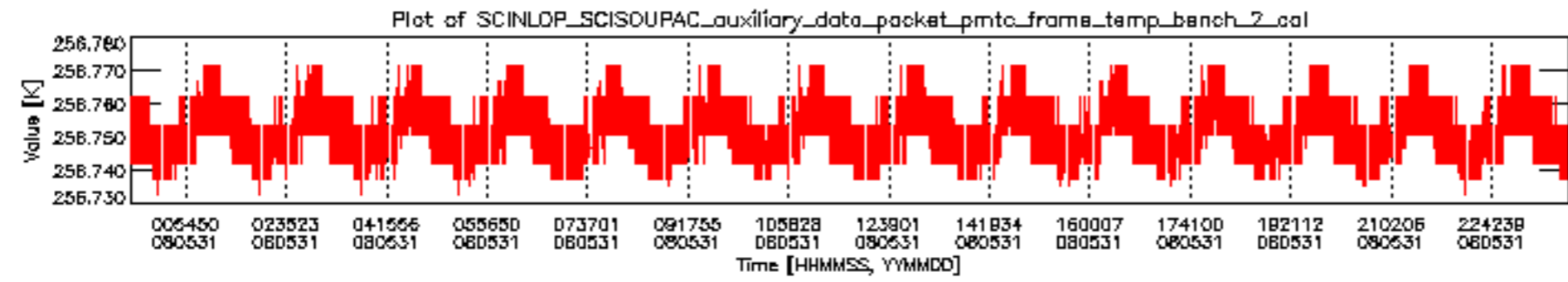


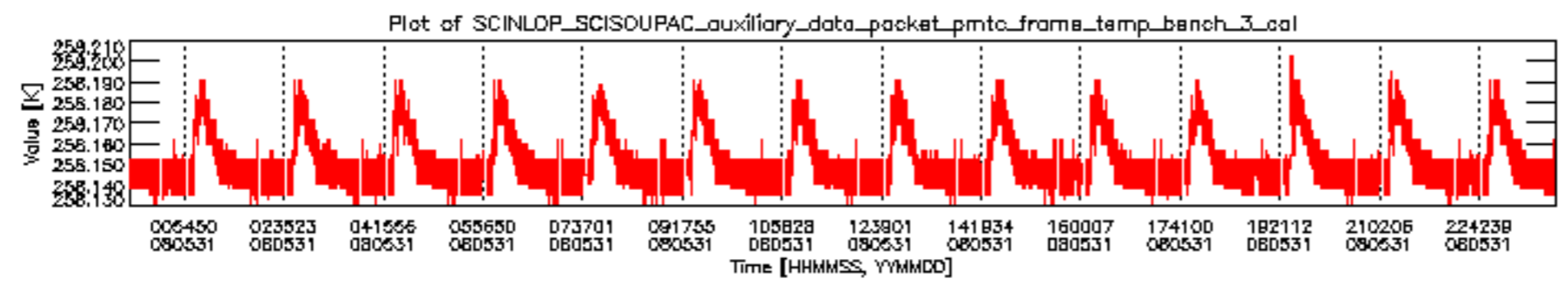
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080531_7.PNG

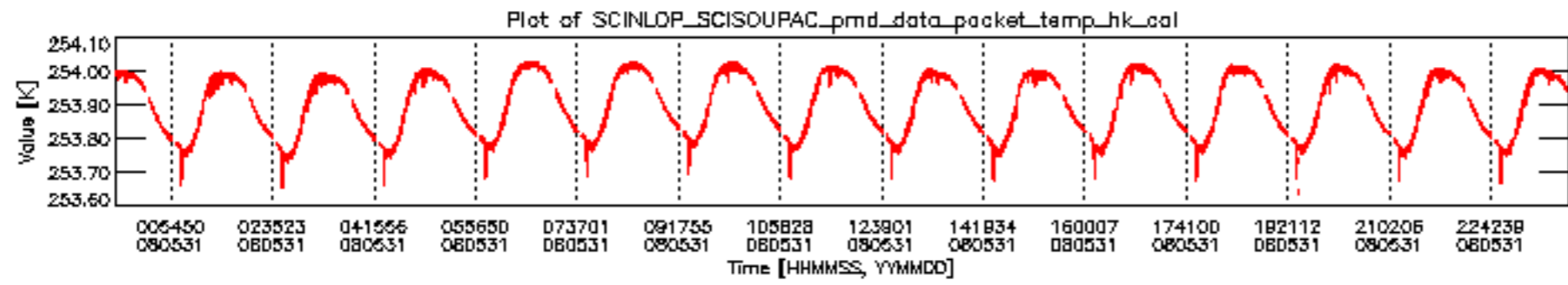


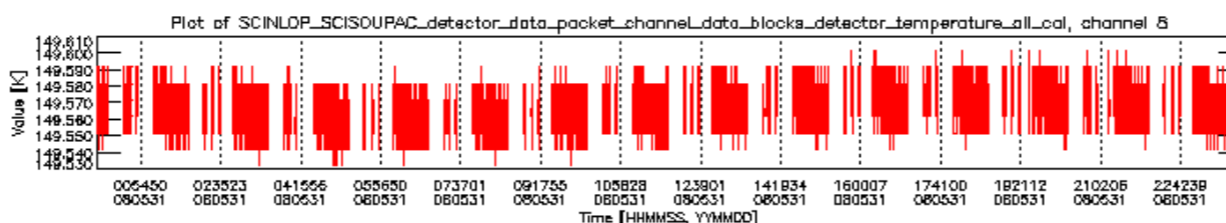
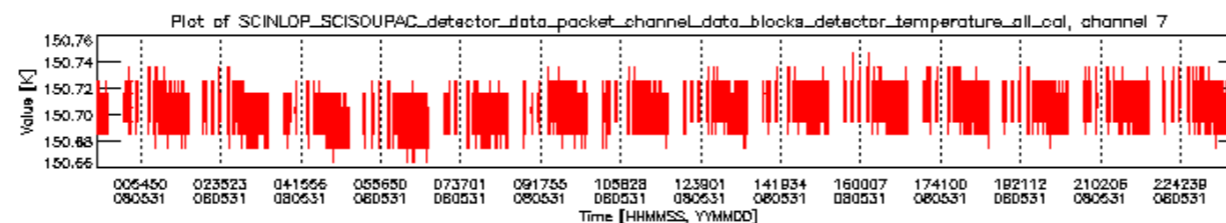
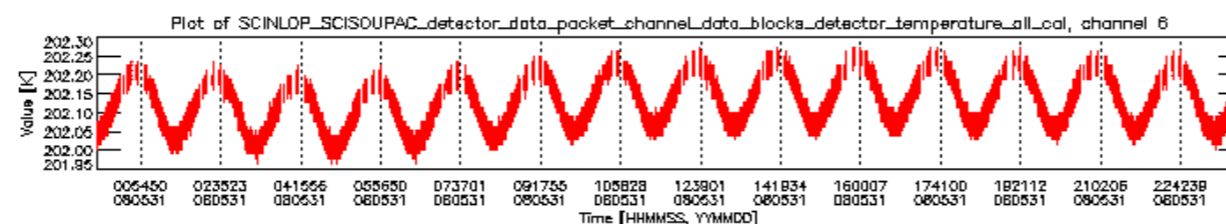
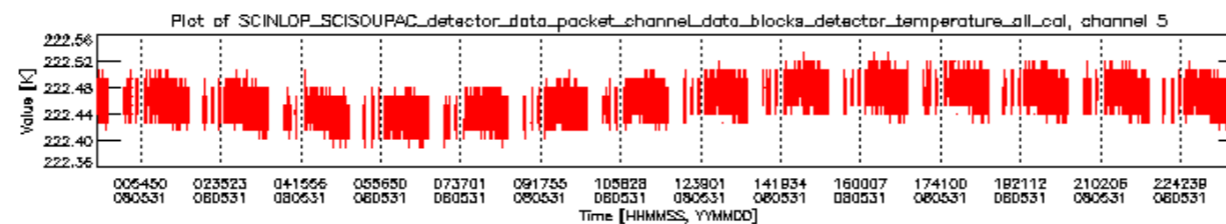
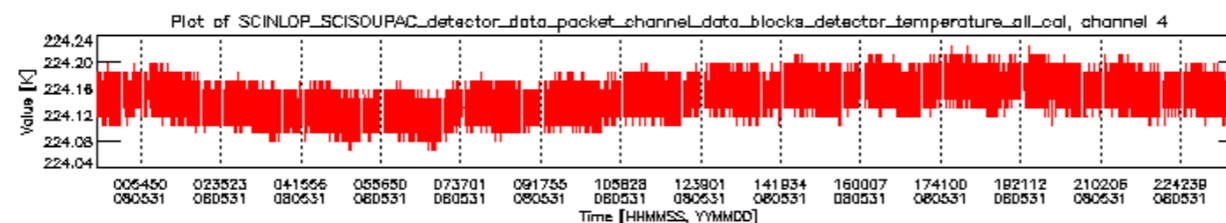
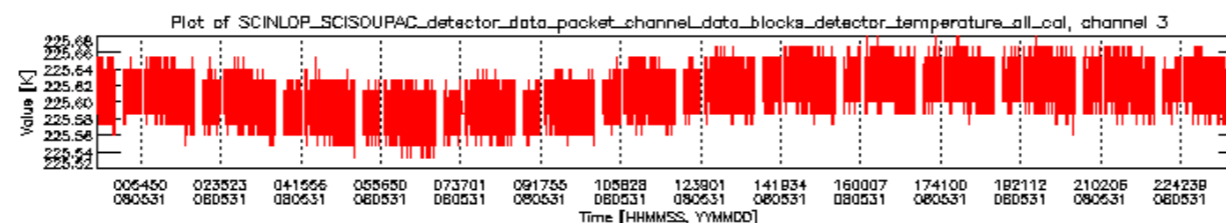
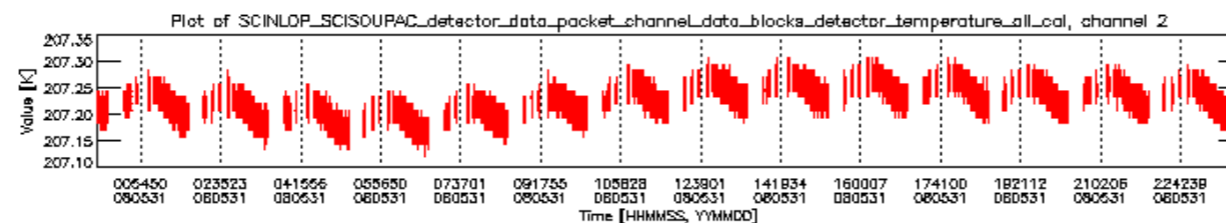
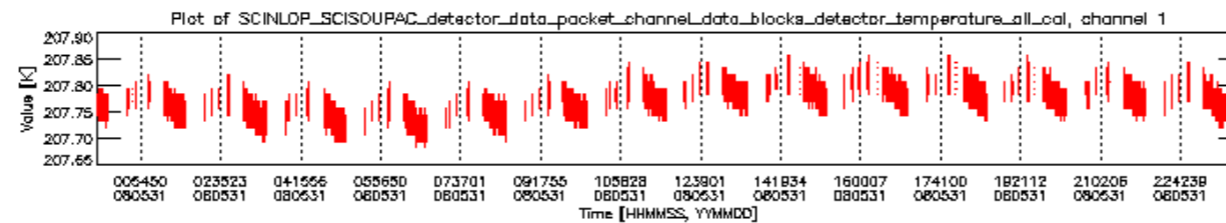
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080531_8.PNG

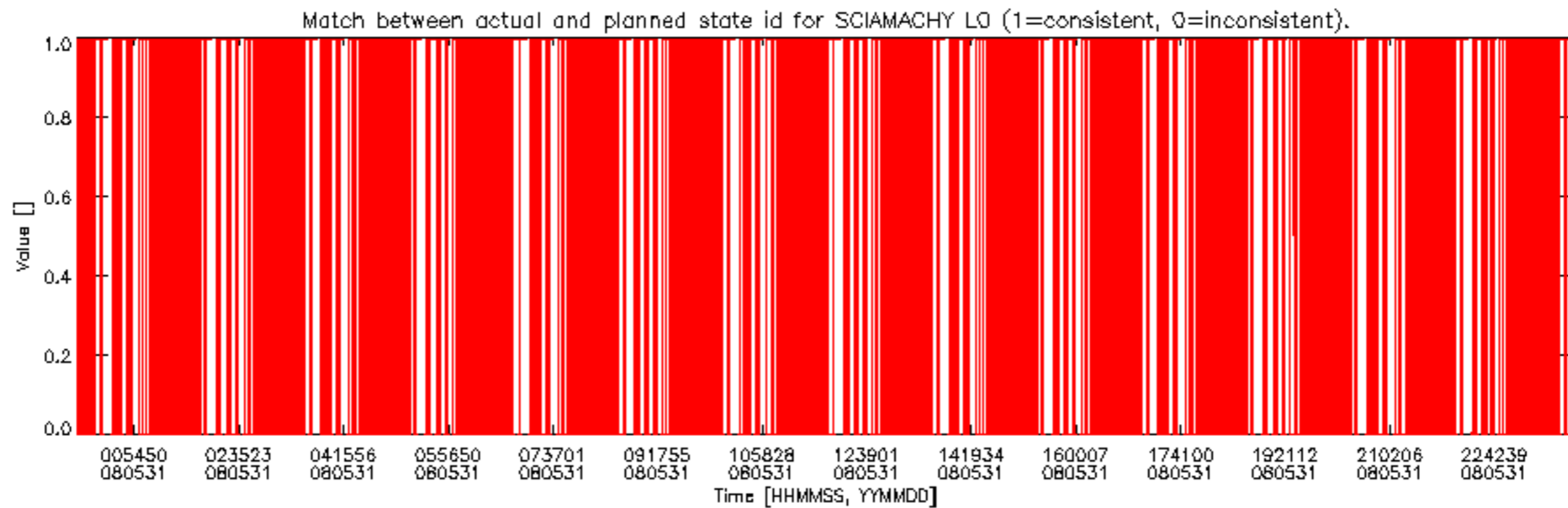
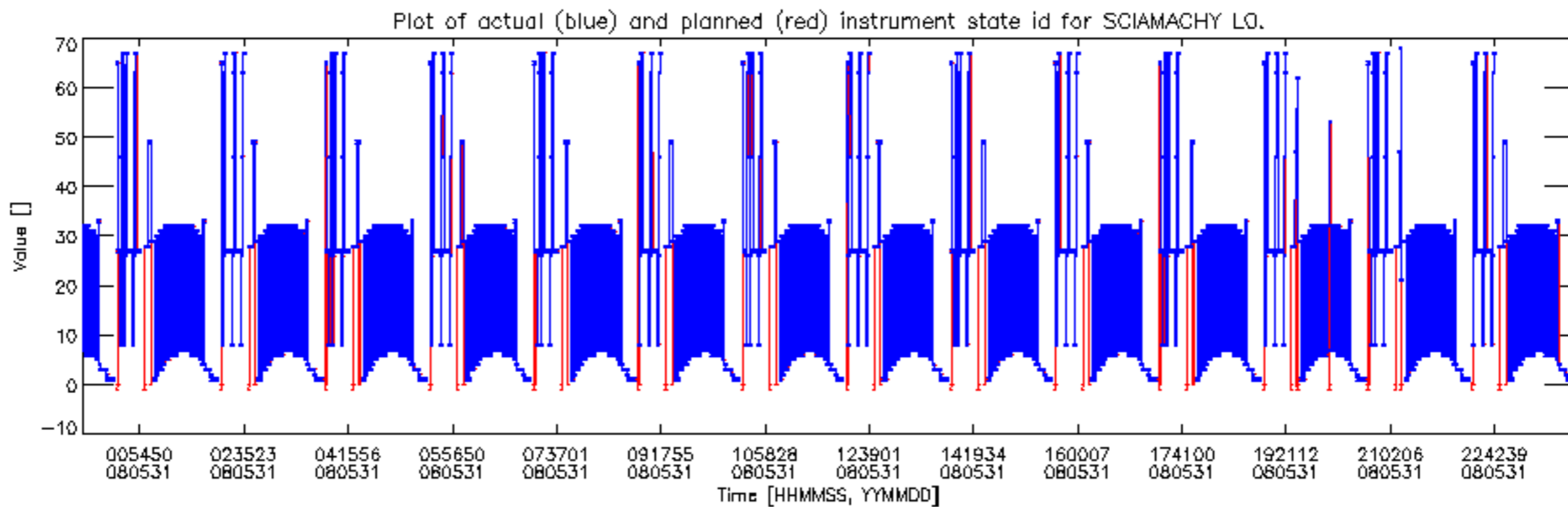












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