

0. SCIAMACHY Daily Report for level 0 products

[0.1 General Info](#)

[0.2 Product Quality Indicators](#)

[0.3 State monitoring](#)

[0.4 ADF monitoring](#)

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	23MAR2008 04:49:21
Data source version	KSPT_L0/4303-N
Processing scope for products	19MAR2008 00:00:00 to 20MAR2008 00:00:00
Start time of first product within scope	18MAR2008 23:28:49
Stop time of last product within scope	20MAR2008 00:45:03
Total number of level 0 products	15
Number of level 0 products with errors	5

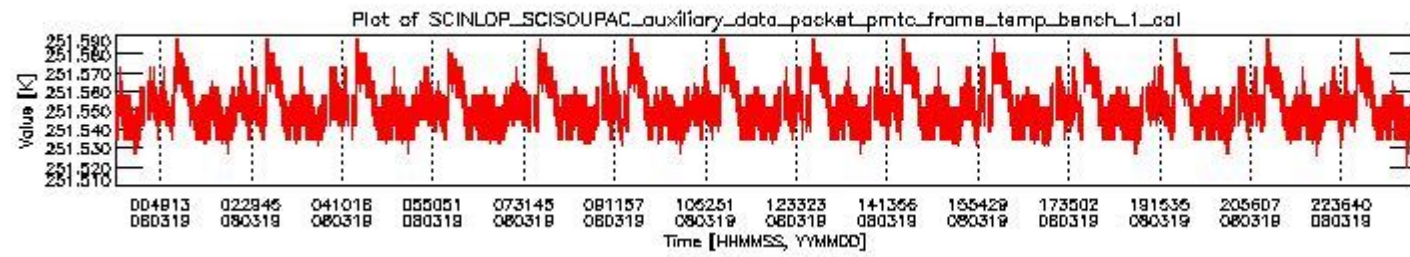
0.1.2 Summary per product

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

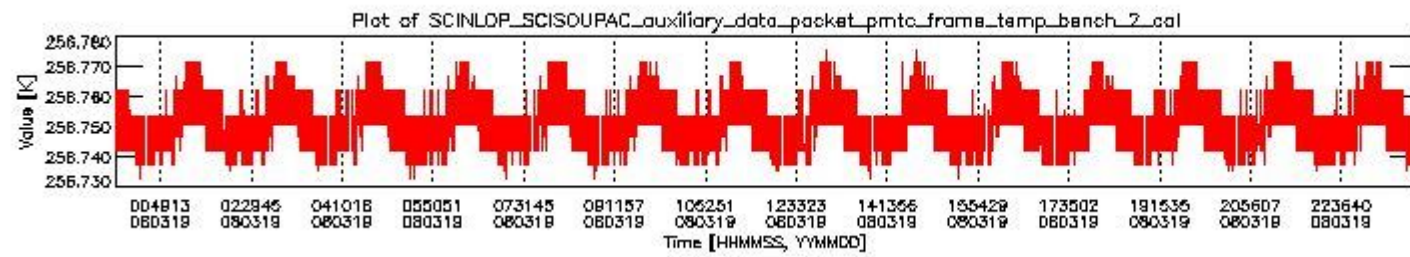
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080318_232849_000064772067_00016_31633_6277.N1	18MAR2008 23:28:49	19MAR2008 01:16:46	1	0	1	0	0
1	SCI_NL__OPNPDE20080319_011237_000063402067_00017_31634_6278.N1	19MAR2008 01:12:37	19MAR2008 02:58:17	1	1	1	0	0
2	SCI_NL__OPNPDE20080319_025408_000064092067_00018_31635_6279.N1	19MAR2008 02:54:08	19MAR2008 04:40:57	1	0	1	0	0
3	SCI_NL__OPNPDE20080319_043648_000064092067_00019_31636_6280.N1	19MAR2008 04:36:48	19MAR2008 06:23:37	1	0	1	0	0
4	SCI_NL__OPNPDK20080319_061724_000062842067_00020_31637_7695.N1	19MAR2008 06:17:24	19MAR2008 08:02:08	0	0	0	0	0
5	SCI_NL__OPNPDK20080319_080112_000059672067_00021_31638_7696.N1	19MAR2008 08:01:12	19MAR2008 09:40:39	0	0	0	0	0
6	SCI_NL__OPNPDK20080319_093943_000060352067_00022_31639_7697.N1	19MAR2008 09:39:43	19MAR2008 11:20:19	0	0	0	0	0
7	SCI_NL__OPNPDK20080319_111910_000060352067_00023_31640_7698.N1	19MAR2008 11:19:10	19MAR2008 12:59:46	0	0	0	0	0
8	SCI_NL__OPNPDK20080319_125850_000059672067_00024_31641_7699.N1	19MAR2008 12:58:50	19MAR2008 14:38:17	0	0	0	0	0
9	SCI_NL__OPNPDK20080319_143817_000059112067_00025_31642_7700.N1	19MAR2008 14:38:17	19MAR2008 16:16:48	0	0	0	0	0
10	SCI_NL__OPNPDK20080319_161443_000058922067_00026_31643_7701.N1	19MAR2008 16:14:43	19MAR2008 17:52:55	0	0	0	0	0
11	SCI_NL__OPNPDK20080319_175159_000060362067_00027_31644_7702.N1	19MAR2008 17:51:59	19MAR2008 19:32:35	0	0	0	0	0
12	SCI_NL__OPNPDK20080319_193154_000061642067_00028_31645_7703.N1	19MAR2008 19:31:54	19MAR2008 21:14:38	0	0	0	0	0
13	SCI_NL__OPNPDK20080319_211246_000062032067_00029_31646_7704.N1	19MAR2008 21:12:46	19MAR2008 22:56:09	0	0	0	0	0
14	SCI_NL__OPNPDE20080319_225514_000065892067_00030_31647_6281.N1	19MAR2008 22:55:14	20MAR2008 00:45:03	1	0	1	0	0

0.2 Product Quality Indicators

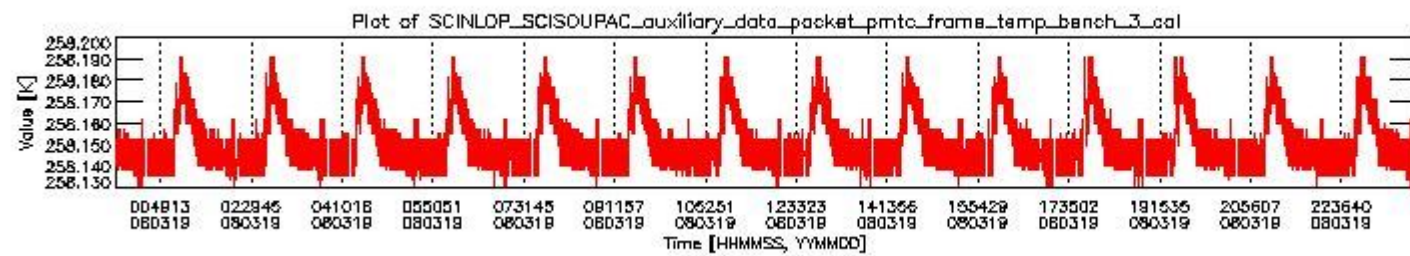
This section shows information about product quality, currently temperatures.



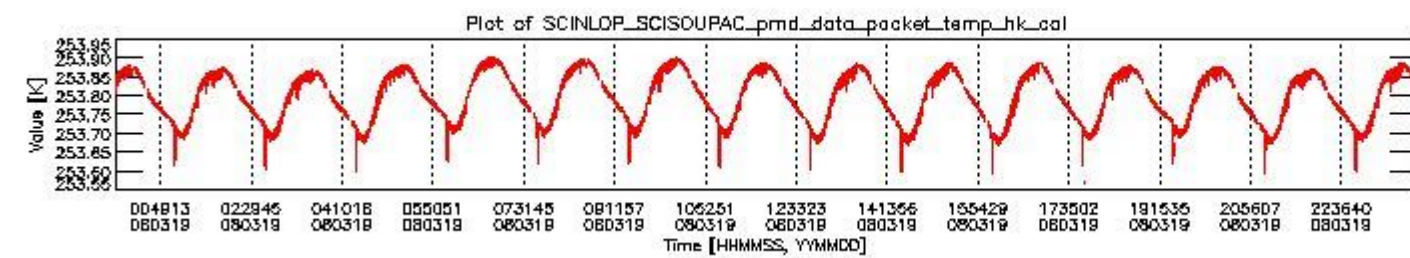
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080319_0.PNG



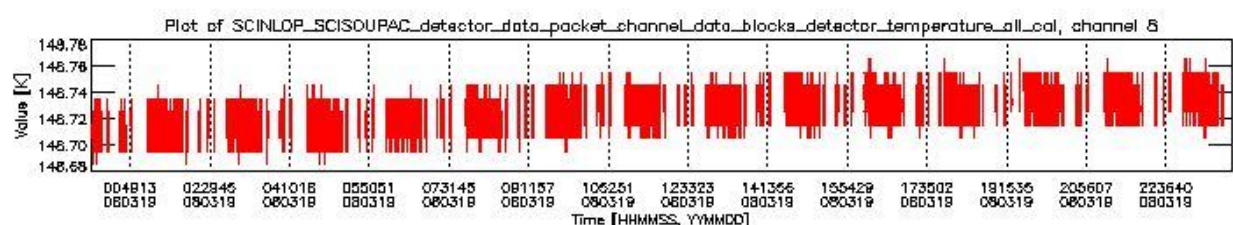
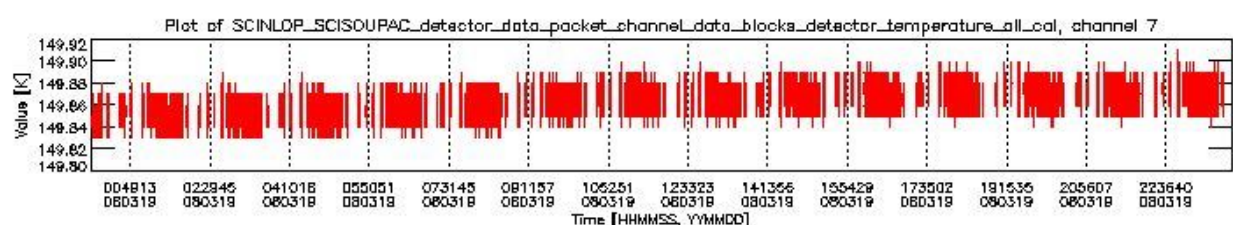
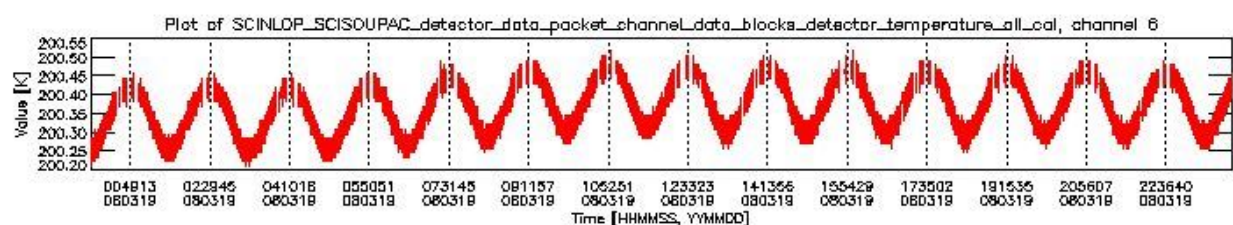
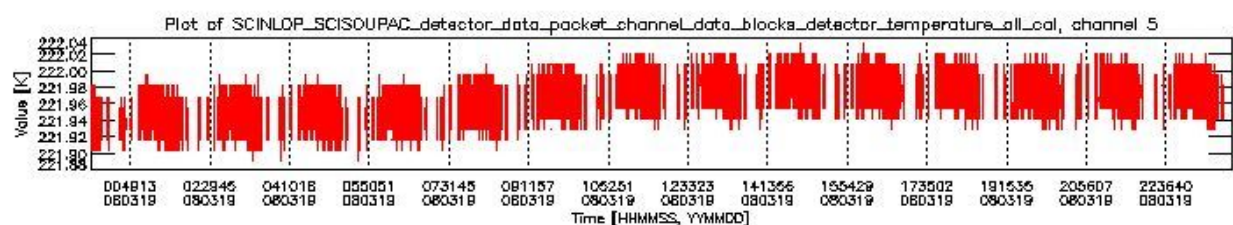
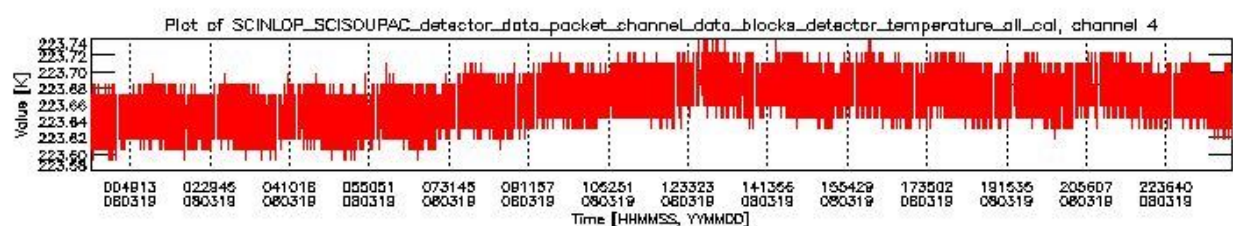
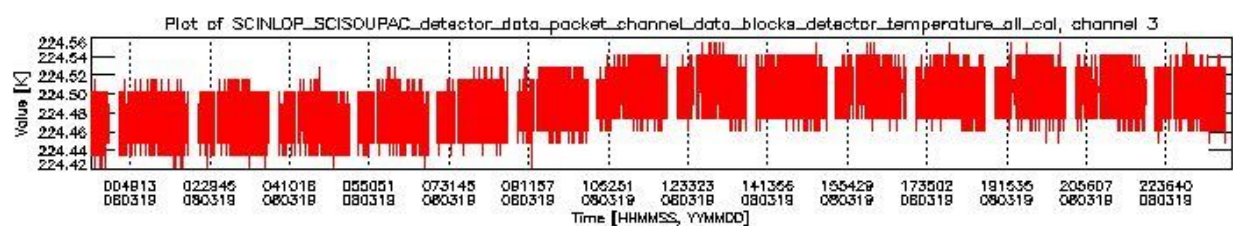
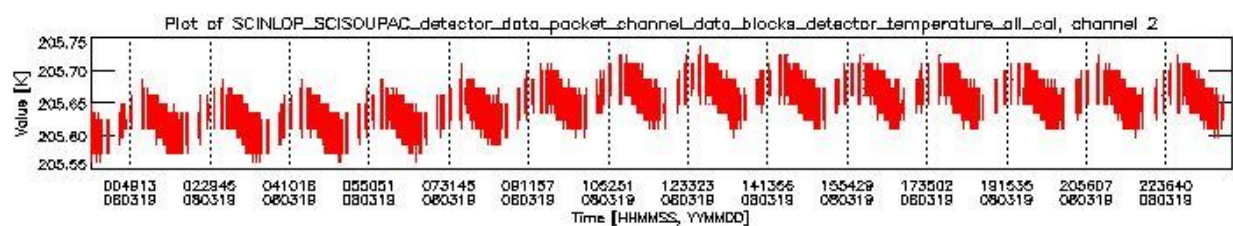
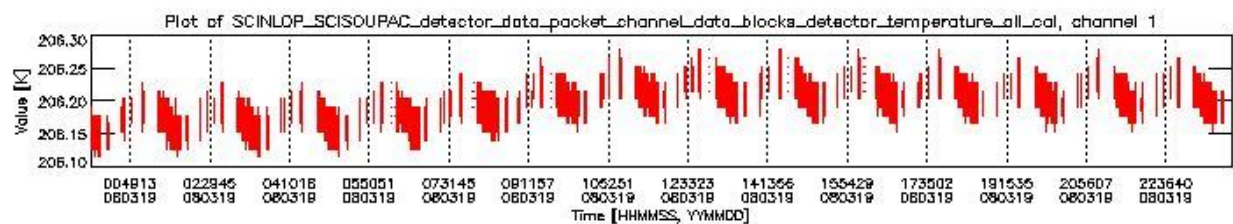
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080319_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080319_3.PNG

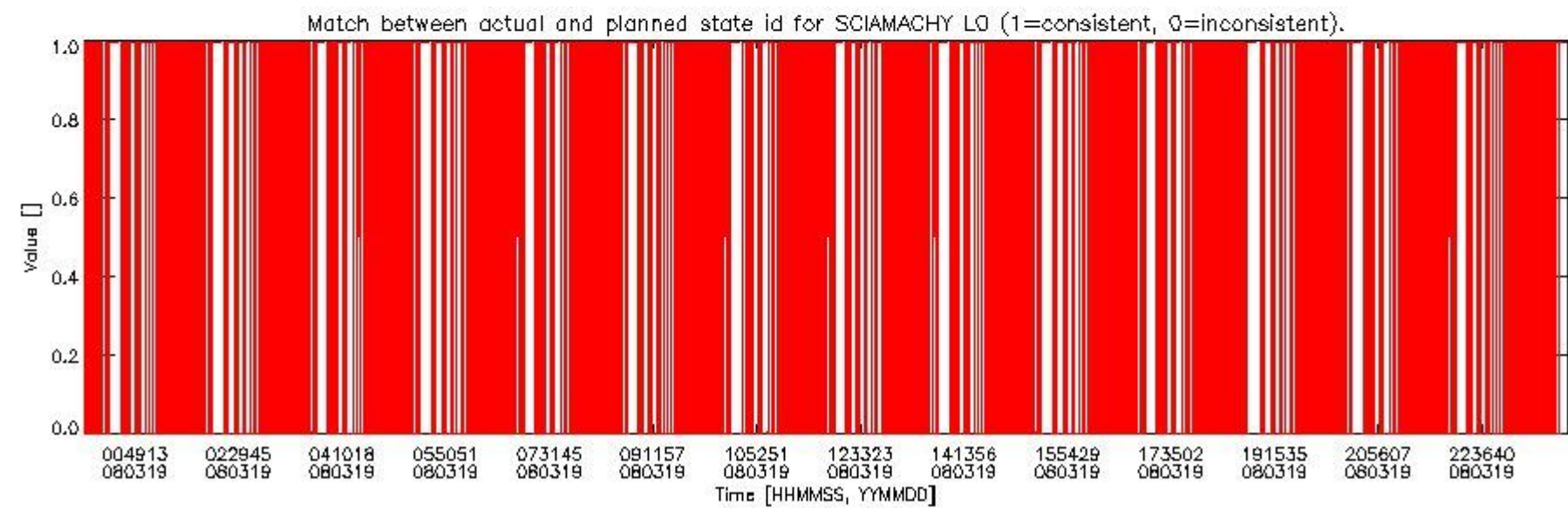
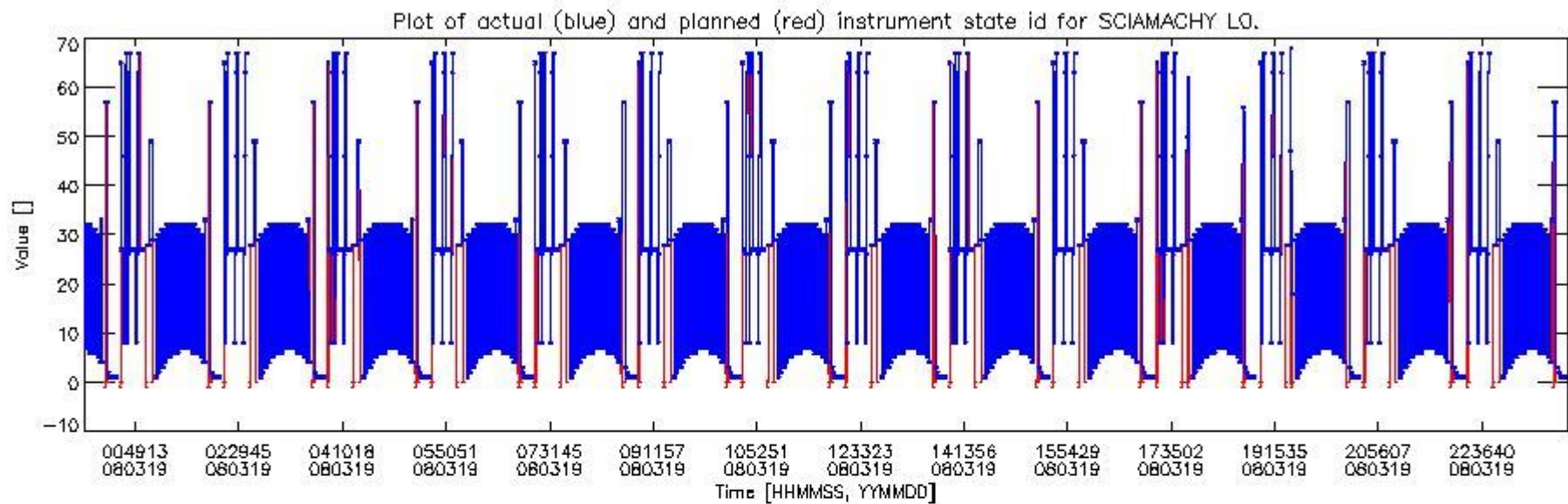


0.3 State monitoring

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: **32209**

#	Actual time	Actual value	Planned time	Planned value
0	19MAR2008 00:00:00.188814	7	19MAR2008 00:00:00.188814	32
1	19MAR2008 00:00:00.438823	7	19MAR2008 00:00:00.438823	32
2	19MAR2008 00:00:00.563787	7	19MAR2008 00:00:00.563787	32
3	19MAR2008 00:00:00.688791	7	19MAR2008 00:00:00.688791	32
4	19MAR2008 00:00:00.938800	7	19MAR2008 00:00:00.938800	32
5	19MAR2008 00:00:01.188809	7	19MAR2008 00:00:01.188809	32
6	19MAR2008 00:00:01.438817	7	19MAR2008 00:00:01.438817	32
7	19MAR2008 00:00:01.688826	7	19MAR2008 00:00:01.688826	32
8	19MAR2008 00:00:01.938795	7	19MAR2008 00:00:01.938795	32
9	19MAR2008 00:00:02.188803	7	19MAR2008 00:00:02.188803	32
10	19MAR2008 00:00:02.438812	7	19MAR2008 00:00:02.438812	32
11	19MAR2008 00:00:02.688821	7	19MAR2008 00:00:02.688821	32
12	19MAR2008 00:01:04.126307	32	19MAR2008 00:01:04.126307	7
13	19MAR2008 00:01:04.751329	32	19MAR2008 00:01:04.751329	7
14	19MAR2008 00:01:05.126301	32	19MAR2008 00:01:05.126301	7
15	19MAR2008 00:01:05.501314	32	19MAR2008 00:01:05.501314	7
16	19MAR2008 00:01:06.063814	32	19MAR2008 00:01:06.063814	7
17	19MAR2008 00:01:06.438827	32	19MAR2008 00:01:06.438827	7
18	19MAR2008 00:01:06.813800	32	19MAR2008 00:01:06.813800	7
19	19MAR2008 00:01:07.188813	32	19MAR2008 00:01:07.188813	7

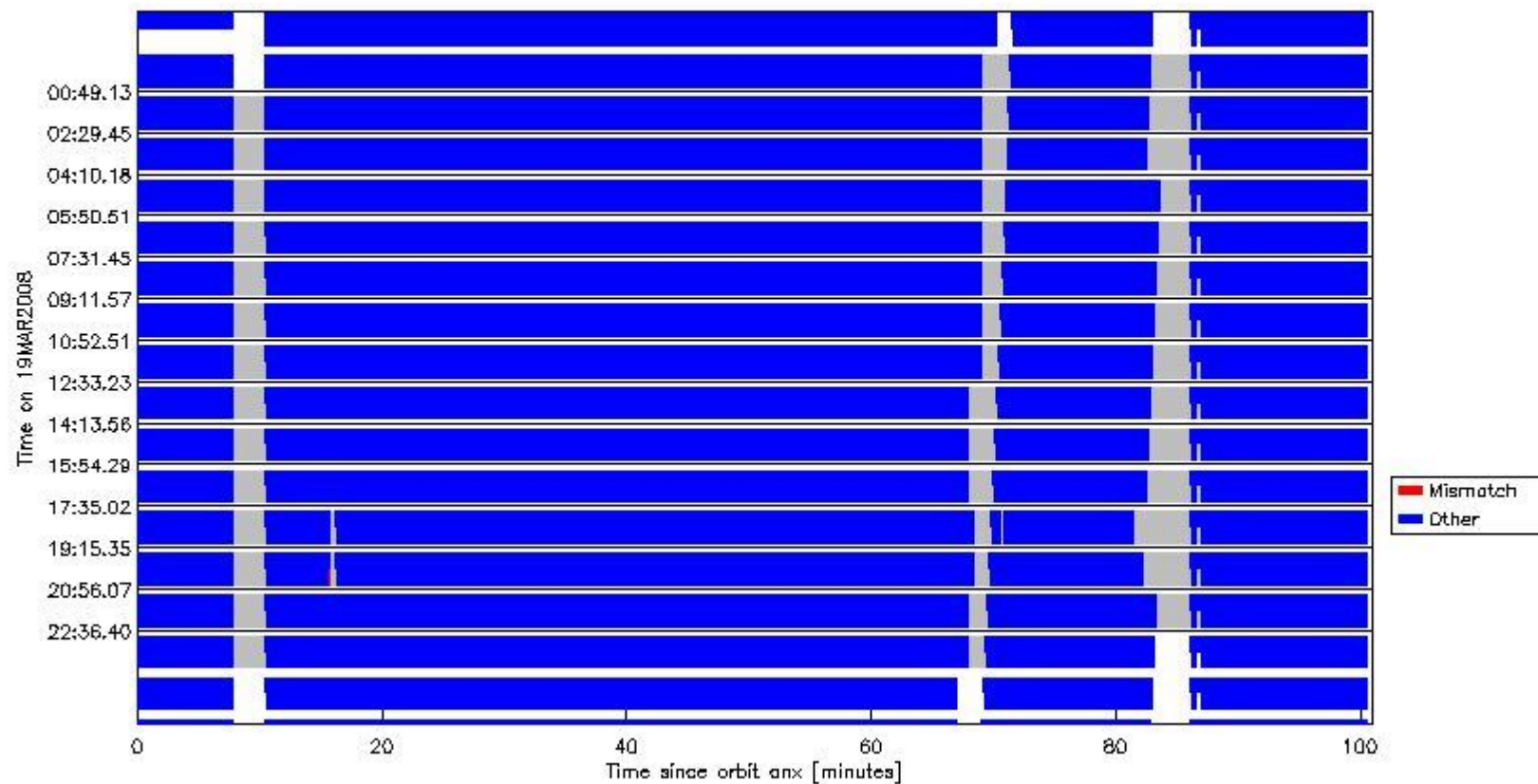


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080319_5.PNG

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 19MAR2008.
 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_20080319_6.PNG

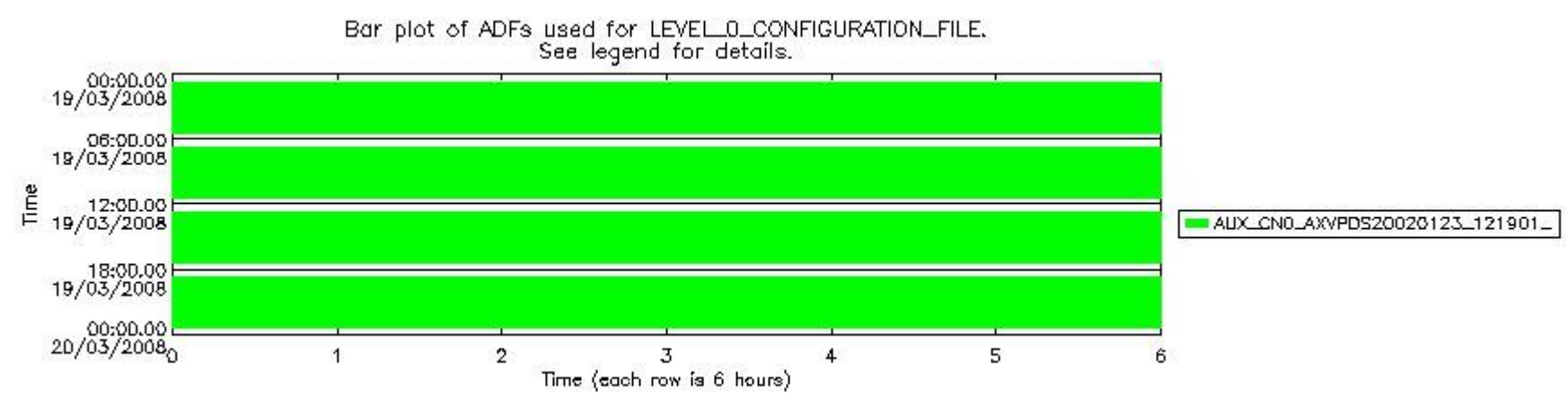
0.4 ADF monitoring

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

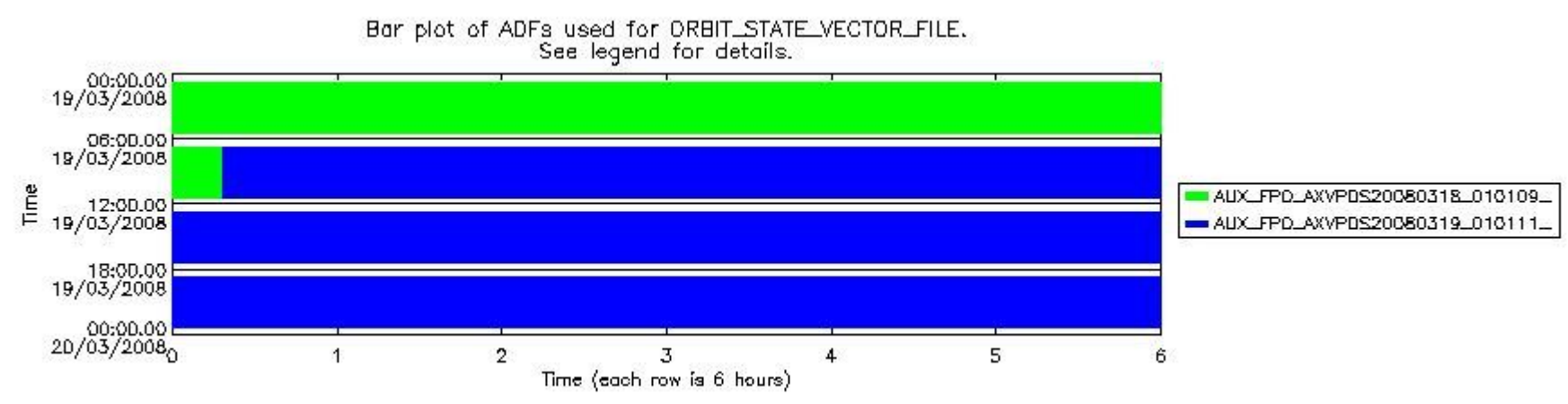
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

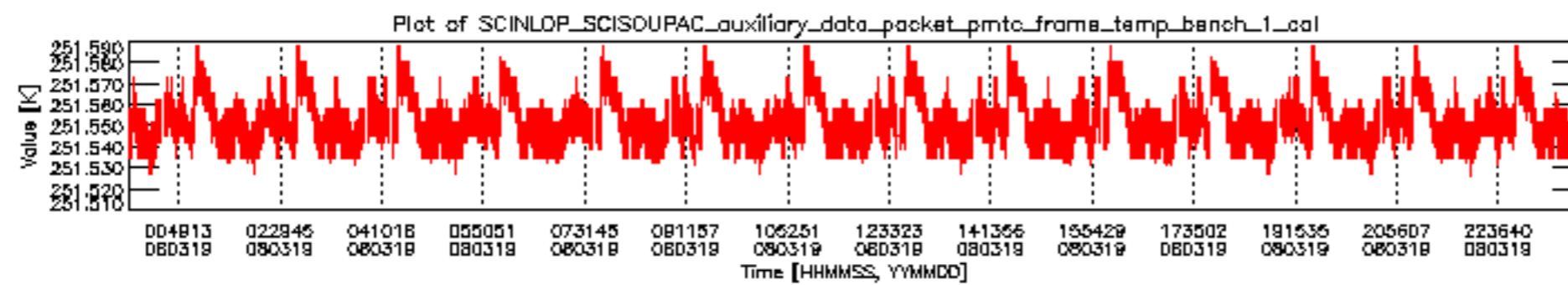
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080318_010109_20080317_183819_20080327_200433
2	AUX_FPO_AXVPDS20080319_010111_20080318_194718_20080328_211331

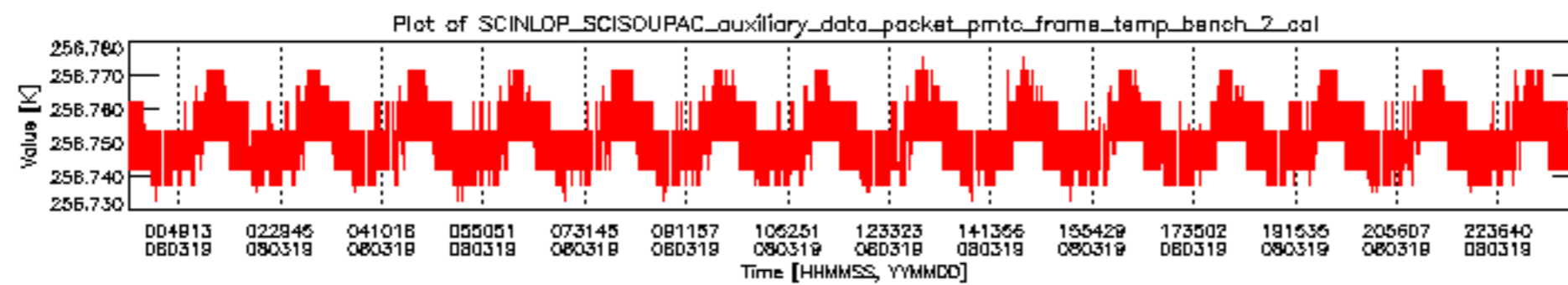


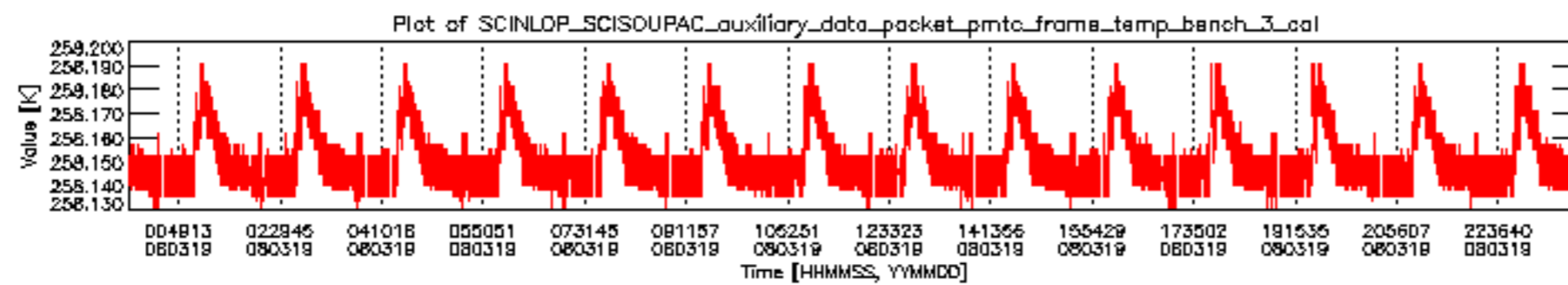
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080319_7.PNG

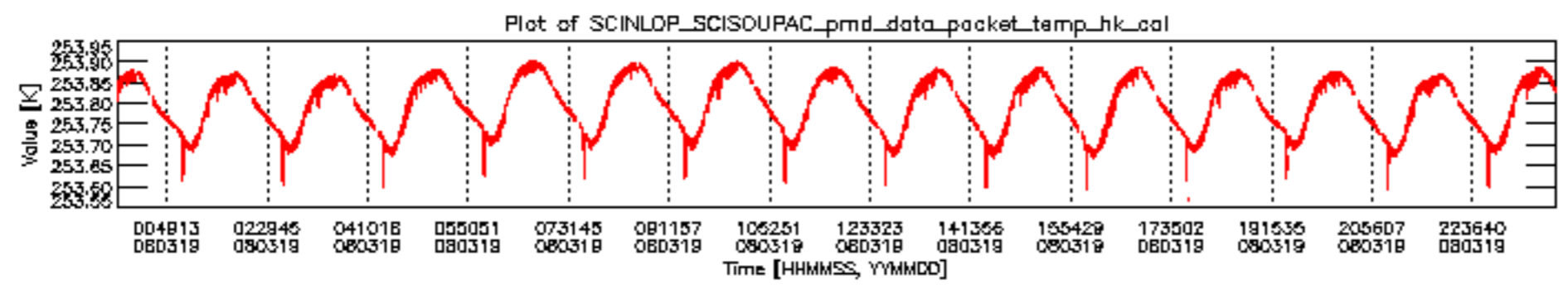


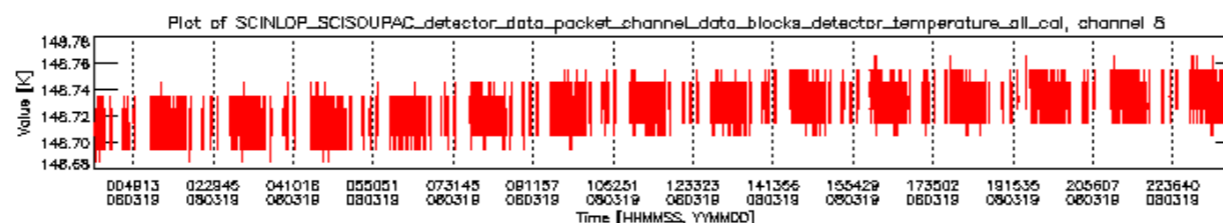
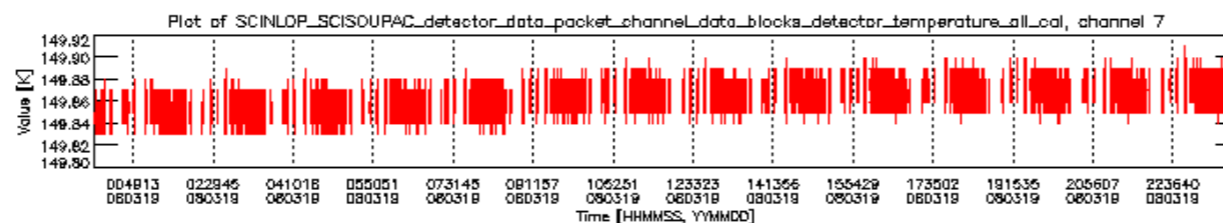
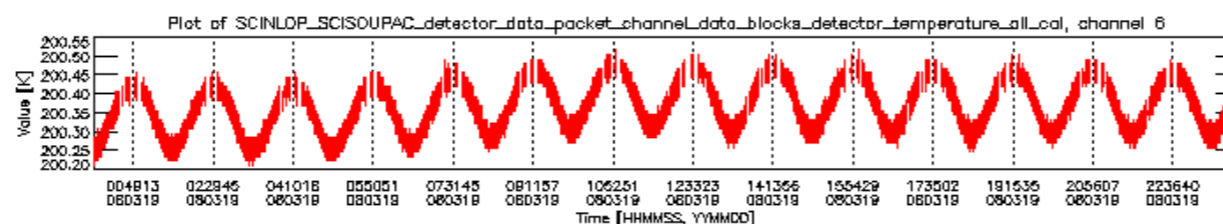
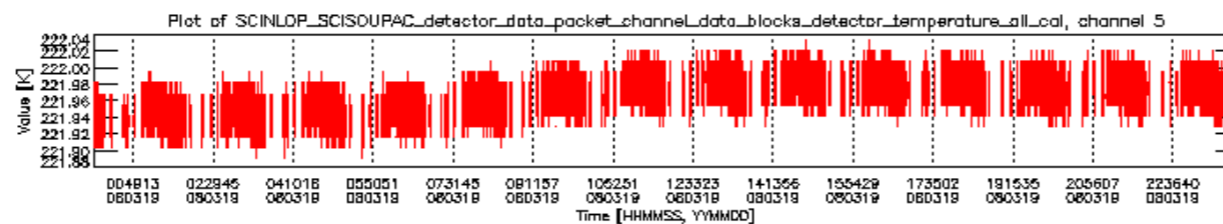
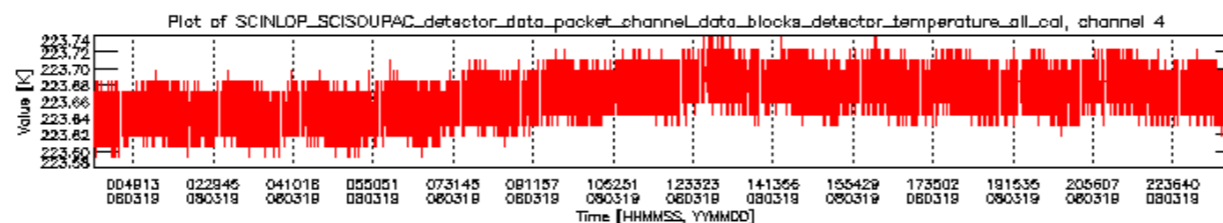
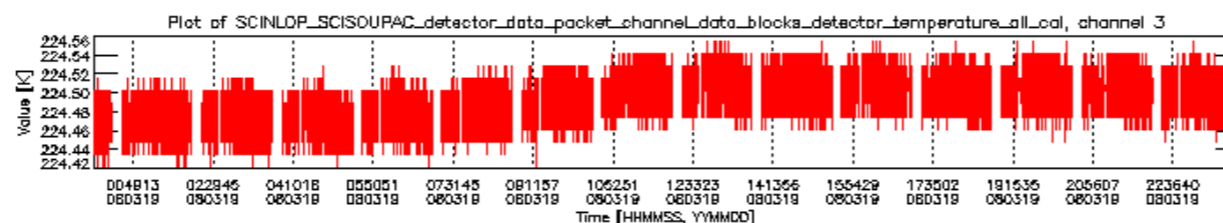
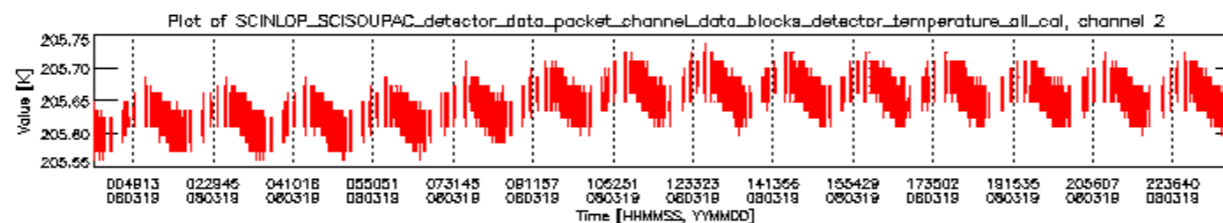
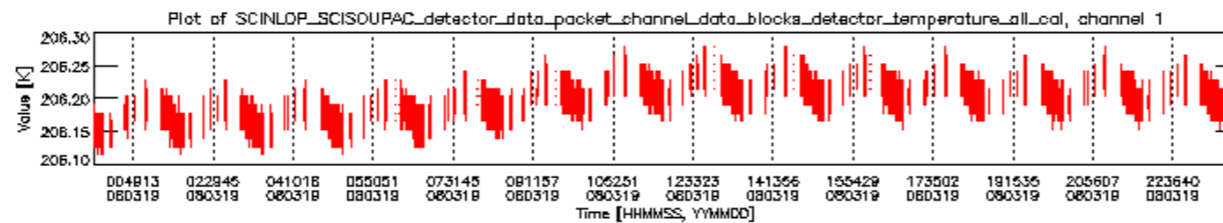
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080319_8.PNG

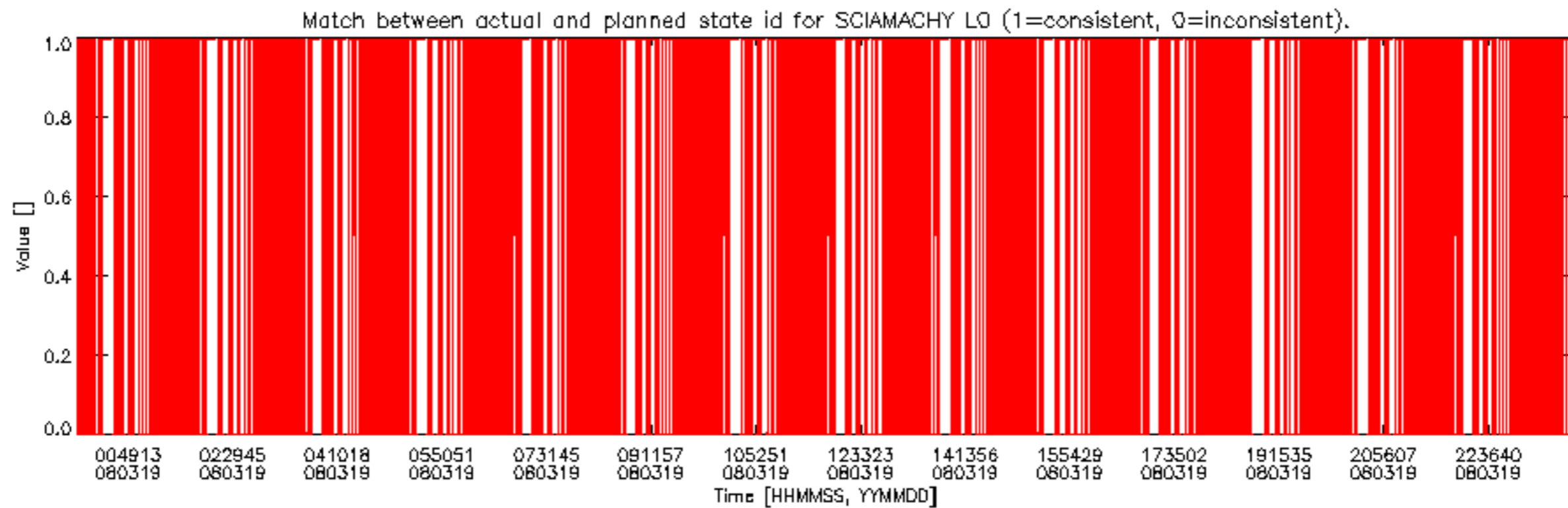
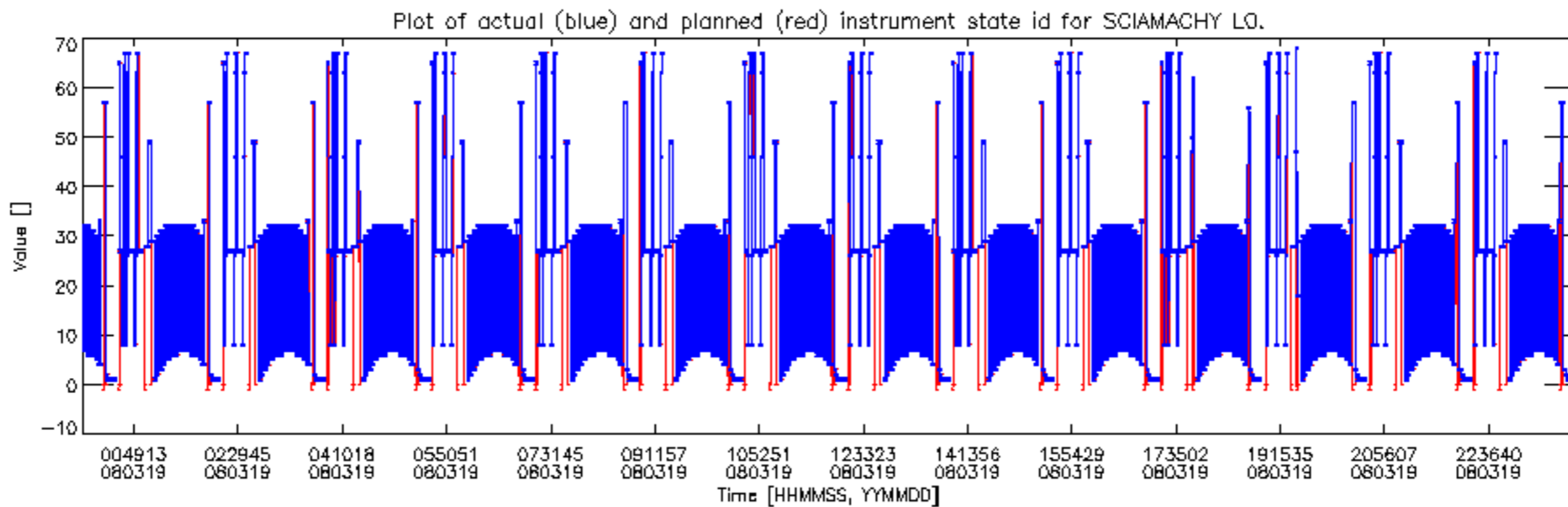












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