

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	20MAY2008 04:52:01
Data source version	KSPT_L0/4303-N
Processing scope for products	16MAY2008 00:00:00 to 17MAY2008 00:00:00
Start time of first product within scope	15MAY2008 22:34:30
Stop time of last product within scope	17MAY2008 01:22:03
Total number of level 0 products	17
Number of level 0 products with errors	1

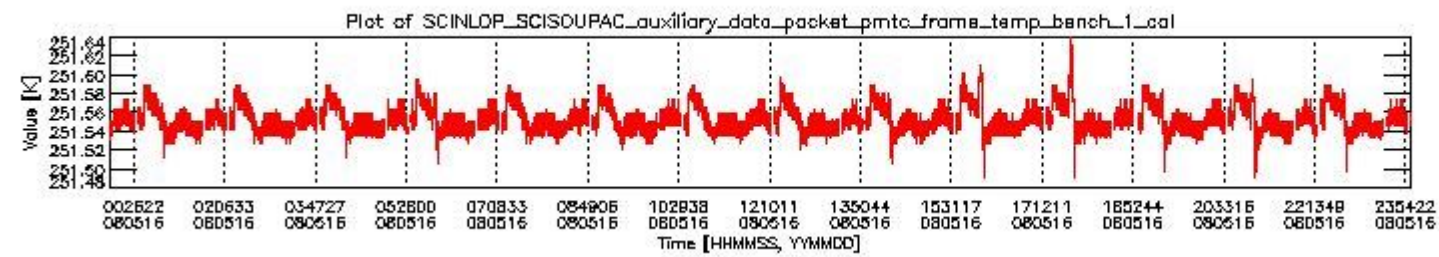
0.1.2 Summary per product

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

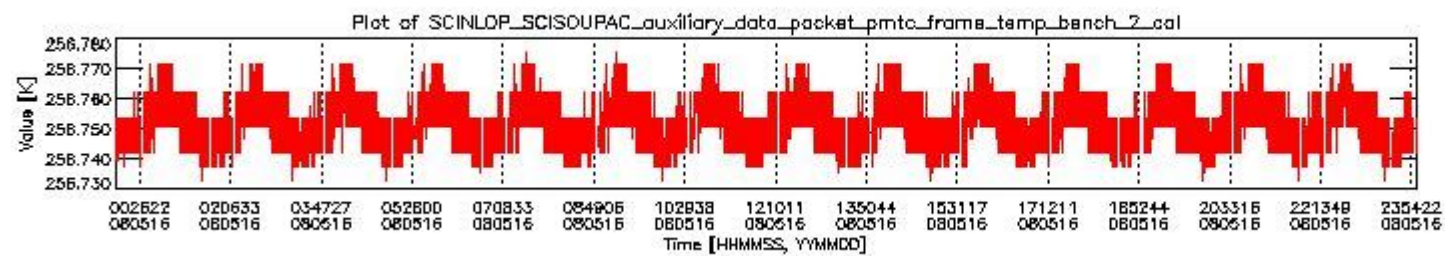
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080515_223430_000060482068_00344_32462_6691.N1	15MAY2008 22:34:30	16MAY2008 00:15:18	0	0	0	0	0
1	SCI_NL__OPNPDE20080516_001434_000059362068_00345_32463_6692.N1	16MAY2008 00:14:34	16MAY2008 01:53:30	0	0	0	0	0
2	SCI_NL__OPNPDE20080516_015213_000046422068_00346_32464_6693.N1	16MAY2008 01:52:13	16MAY2008 03:09:36	0	0	0	0	0
3	SCI_NL__OPNPDE20080516_031241_000057262068_00347_32465_6694.N1	16MAY2008 03:12:41	16MAY2008 04:48:07	0	0	0	0	0
4	SCI_NL__OPNPDE20080516_044711_000060922068_00348_32466_6695.N1	16MAY2008 04:47:11	16MAY2008 06:28:43	0	0	0	0	0
5	SCI_NL__OPNPDK20080516_062747_000041692068_00349_32467_8226.N1	16MAY2008 06:27:47	16MAY2008 07:37:16	0	0	0	0	0
6	SCI_NL__OPNPDK20080516_073608_000061602068_00350_32468_8227.N1	16MAY2008 07:36:08	16MAY2008 09:18:48	0	0	0	0	0
7	SCI_NL__OPNPDK20080516_091752_000059672068_00351_32469_8228.N1	16MAY2008 09:17:52	16MAY2008 10:57:19	0	0	0	0	0
8	SCI_NL__OPNPDK20080516_105719_000060362068_00352_32470_8229.N1	16MAY2008 10:57:19	16MAY2008 12:37:55	0	0	0	0	0
9	SCI_NL__OPNPDK20080516_123659_000059672068_00353_32471_8230.N1	16MAY2008 12:36:59	16MAY2008 14:16:26	0	0	0	0	0
10	SCI_NL__OPNPDK20080516_141530_000059112068_00354_32472_8231.N1	16MAY2008 14:15:30	16MAY2008 15:54:01	0	0	0	0	0
11	SCI_NL__OPNPDK20080516_155253_000058302068_00355_32473_8232.N1	16MAY2008 15:52:53	16MAY2008 17:30:02	0	0	0	0	0
12	SCI_NL__OPNPDK20080516_172907_000060082068_00356_32474_8233.N1	16MAY2008 17:29:07	16MAY2008 19:09:15	1	1	0	0	0
13	SCI_NL__OPNPDK20080516_190806_000061452068_00357_32475_8234.N1	16MAY2008 19:08:06	16MAY2008 20:50:31	0	0	0	0	0
14	SCI_NL__OPNPDE20080516_204827_000043792068_00358_32476_6696.N1	16MAY2008 20:48:27	16MAY2008 22:01:25	0	0	0	0	0
15	SCI_NL__OPNPDE20080516_220052_000060772068_00358_32476_6697.N1	16MAY2008 22:00:52	16MAY2008 23:42:09	0	0	0	0	0
16	SCI_NL__OPNPDE20080516_234125_000060382068_00359_32477_6698.N1	16MAY2008 23:41:25	17MAY2008 01:22:03	0	0	0	0	0

0.2 Product Quality Indicators

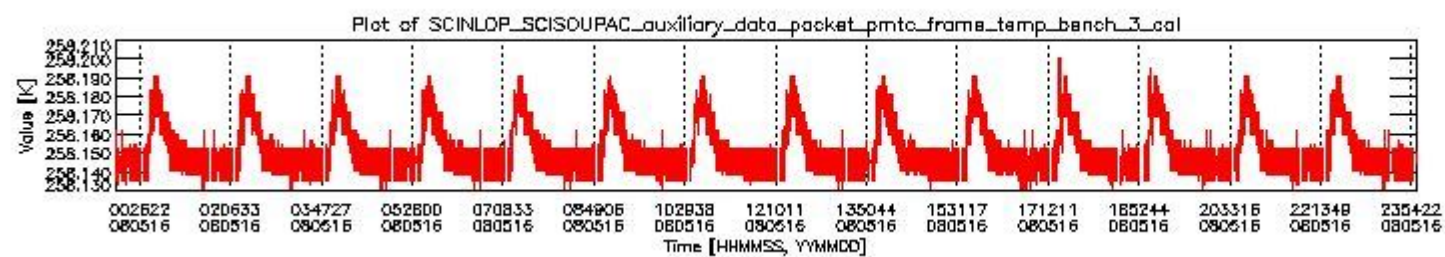
This section shows information about product quality, currently temperatures.



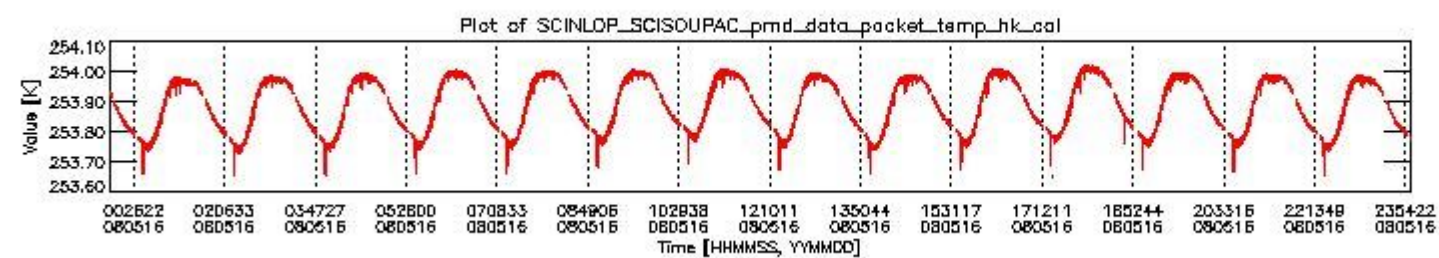
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080516_0.PNG



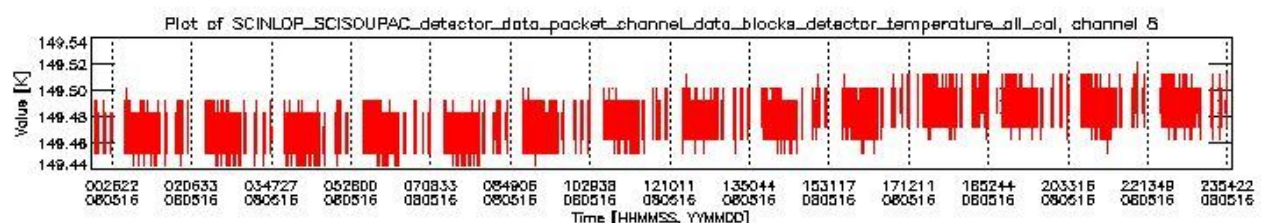
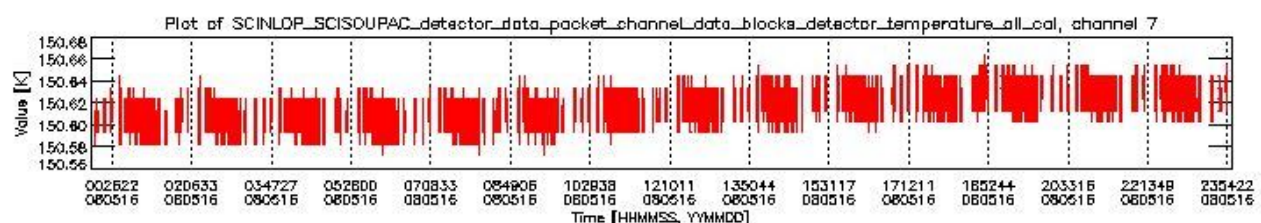
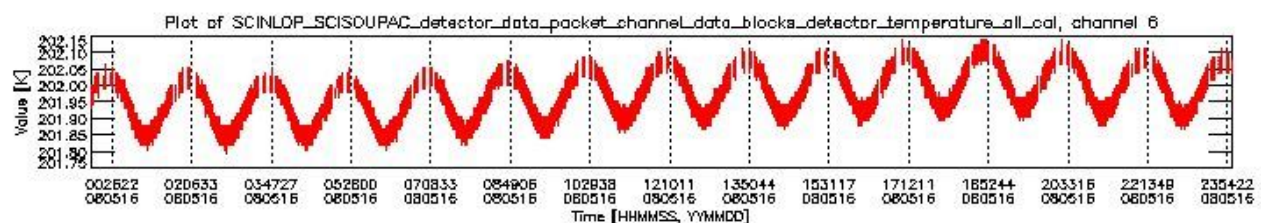
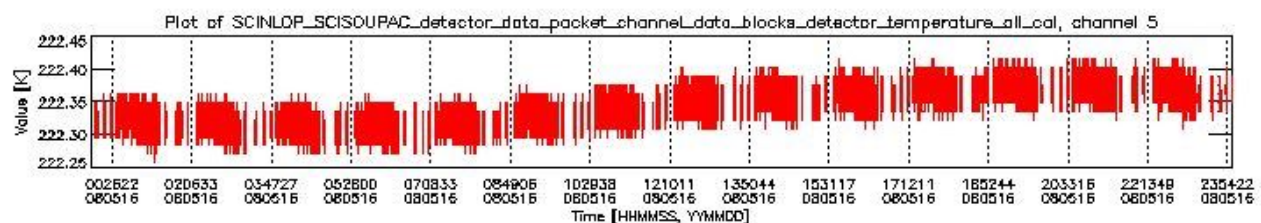
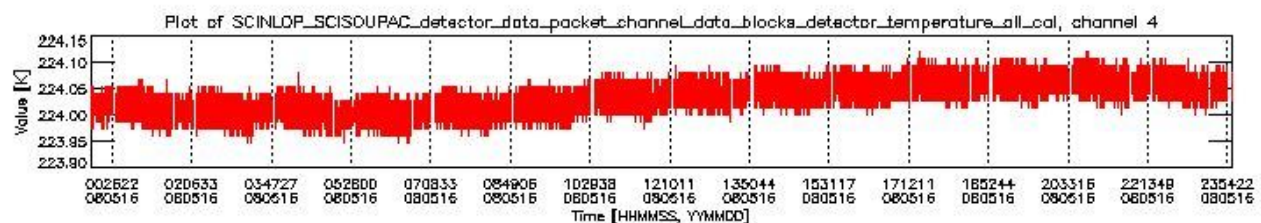
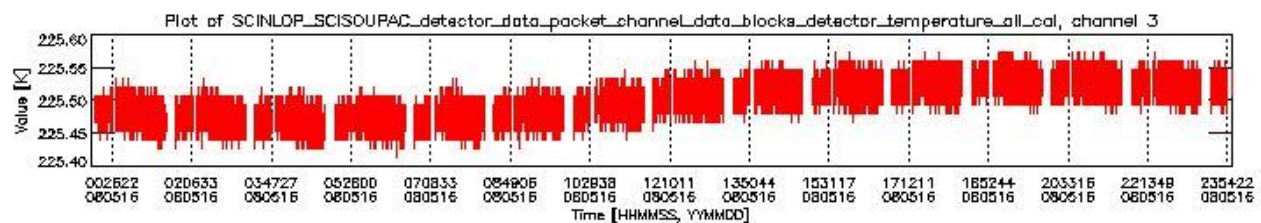
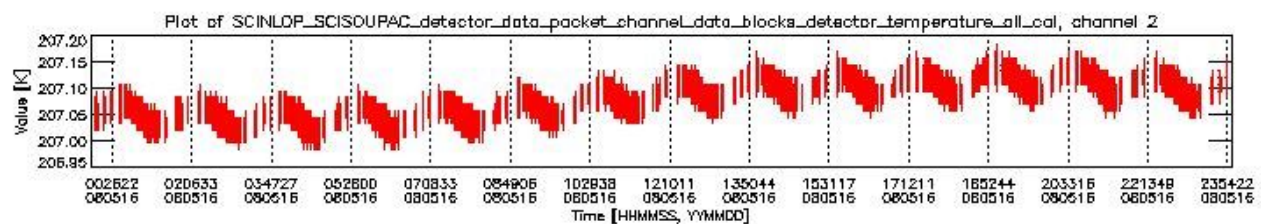
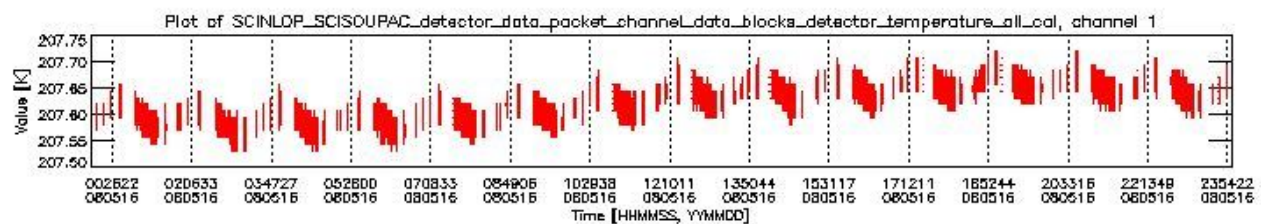
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080516_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080516_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080516_3.PNG

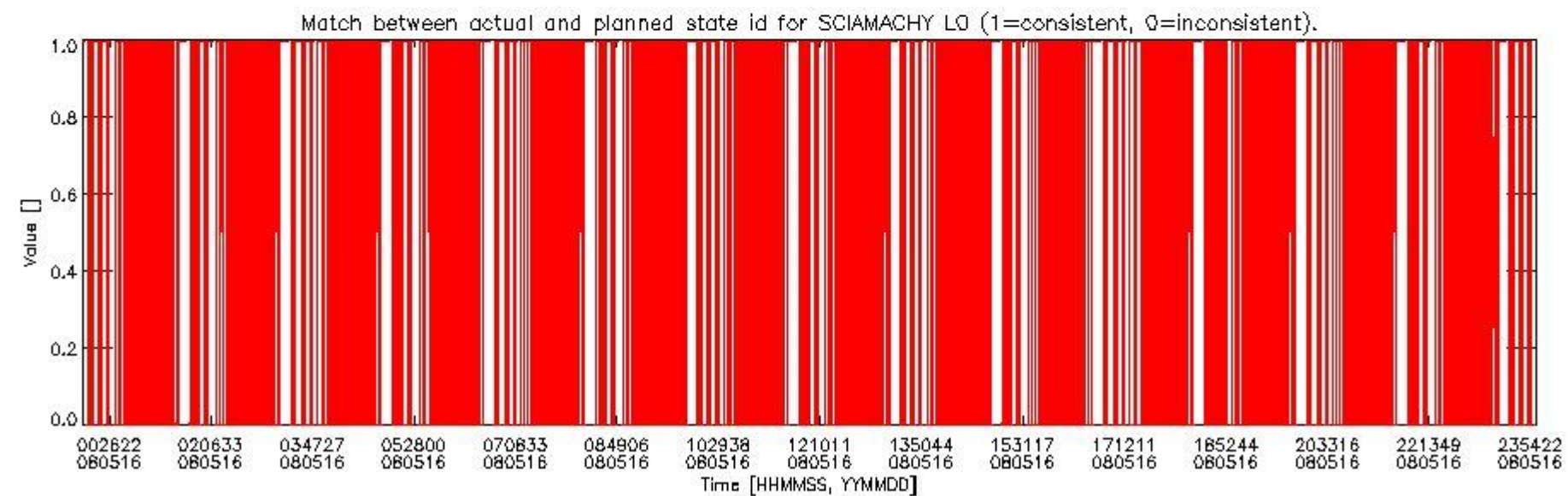
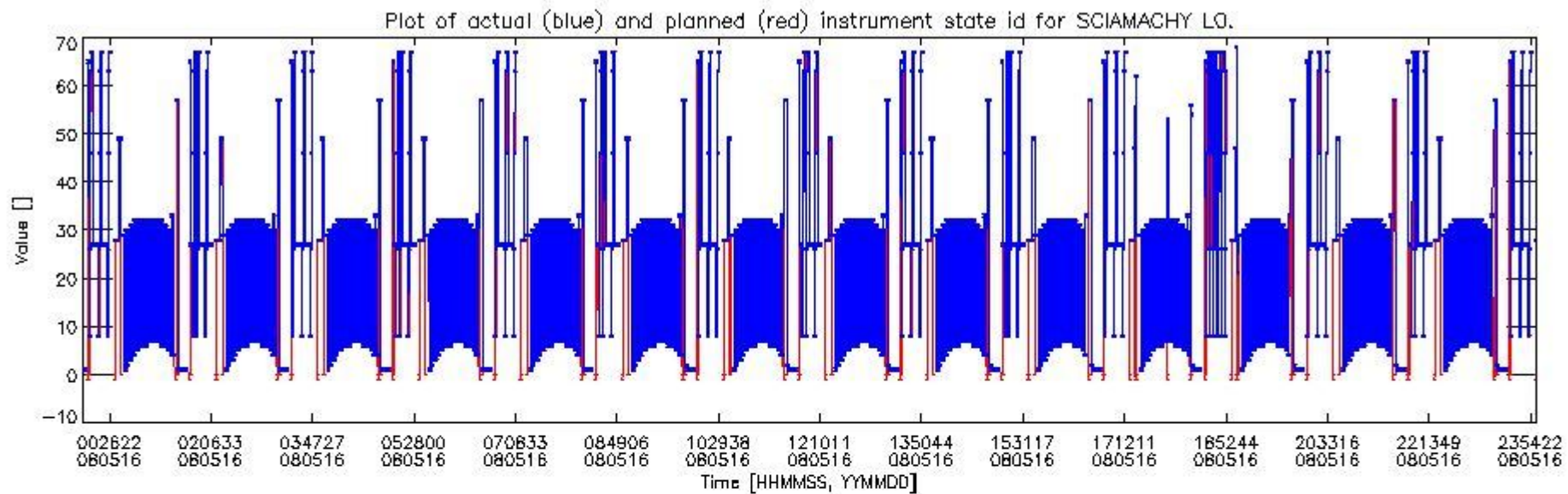


0.3 State monitoring

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: **35872**

#	Actual time	Actual value	Planned time	Planned value
0	16MAY2008 00:05:14.553957	65	16MAY2008 00:05:14.553957	0
1	16MAY2008 00:05:15.178978	65	16MAY2008 00:05:15.178978	0
2	16MAY2008 00:05:15.678956	65	16MAY2008 00:05:15.678956	0
3	16MAY2008 00:05:16.178973	65	16MAY2008 00:05:16.178973	0
4	16MAY2008 00:05:16.678990	65	16MAY2008 00:05:16.678990	0
5	16MAY2008 00:05:17.178968	65	16MAY2008 00:05:17.178968	0
6	16MAY2008 00:05:17.678985	65	16MAY2008 00:05:17.678985	0
7	16MAY2008 00:05:18.178962	65	16MAY2008 00:05:18.178962	0
8	16MAY2008 00:05:18.678980	65	16MAY2008 00:05:18.678980	0
9	16MAY2008 00:05:19.178957	65	16MAY2008 00:05:19.178957	0
10	16MAY2008 00:05:19.553970	65	16MAY2008 00:05:19.553970	0
11	16MAY2008 00:05:19.678974	65	16MAY2008 00:05:19.678974	0
12	16MAY2008 00:05:20.178992	65	16MAY2008 00:05:20.178992	0
13	16MAY2008 00:05:58.311796	8	16MAY2008 00:05:58.311796	0
14	16MAY2008 00:05:59.436795	8	16MAY2008 00:05:59.436795	0
15	16MAY2008 00:06:00.436790	8	16MAY2008 00:06:00.436790	0
16	16MAY2008 00:06:01.436784	8	16MAY2008 00:06:01.436784	0
17	16MAY2008 00:06:02.436779	8	16MAY2008 00:06:02.436779	0
18	16MAY2008 00:06:03.311809	8	16MAY2008 00:06:03.311809	0
19	16MAY2008 00:06:03.436773	8	16MAY2008 00:06:03.436773	0
...

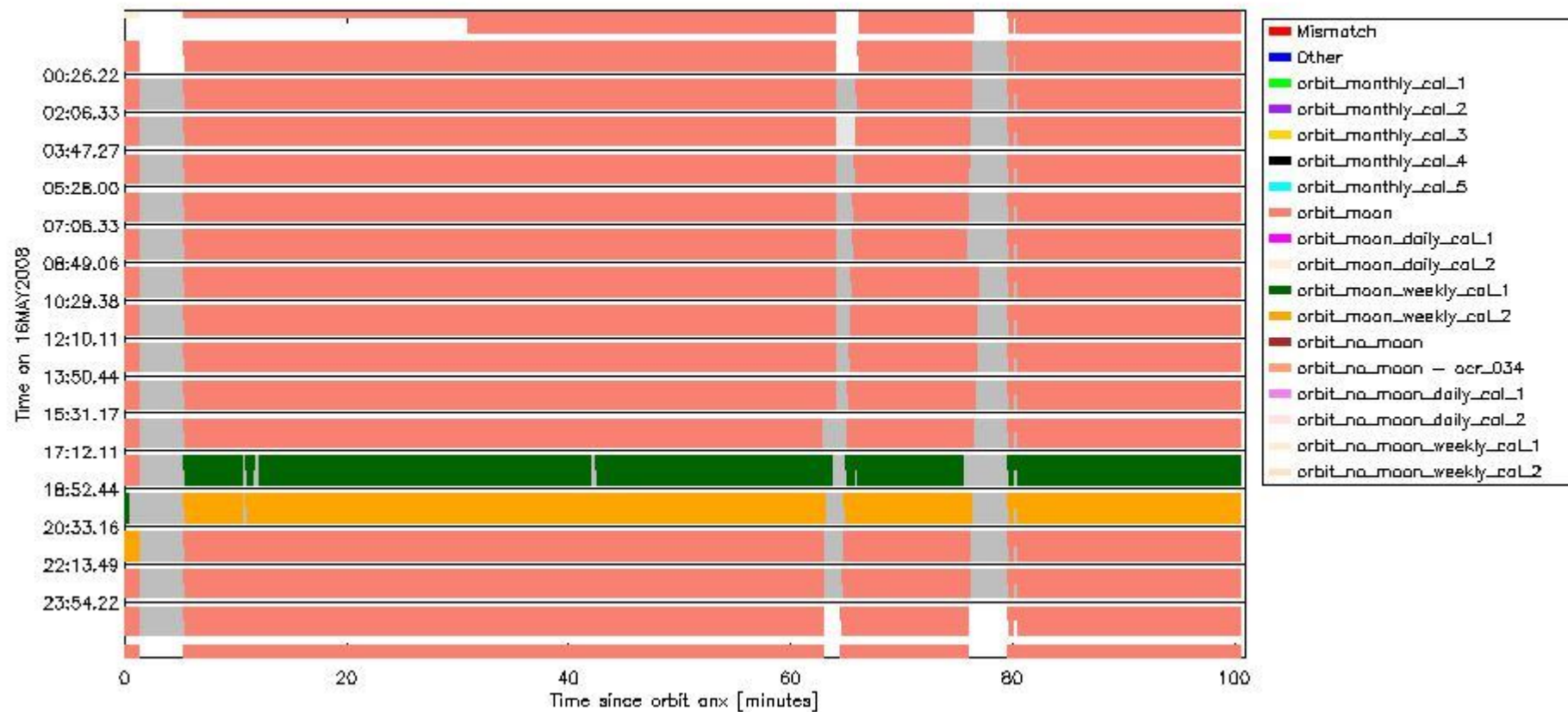


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080516_5.PNG

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 16MAY2008.
 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_20080516_6.PNG

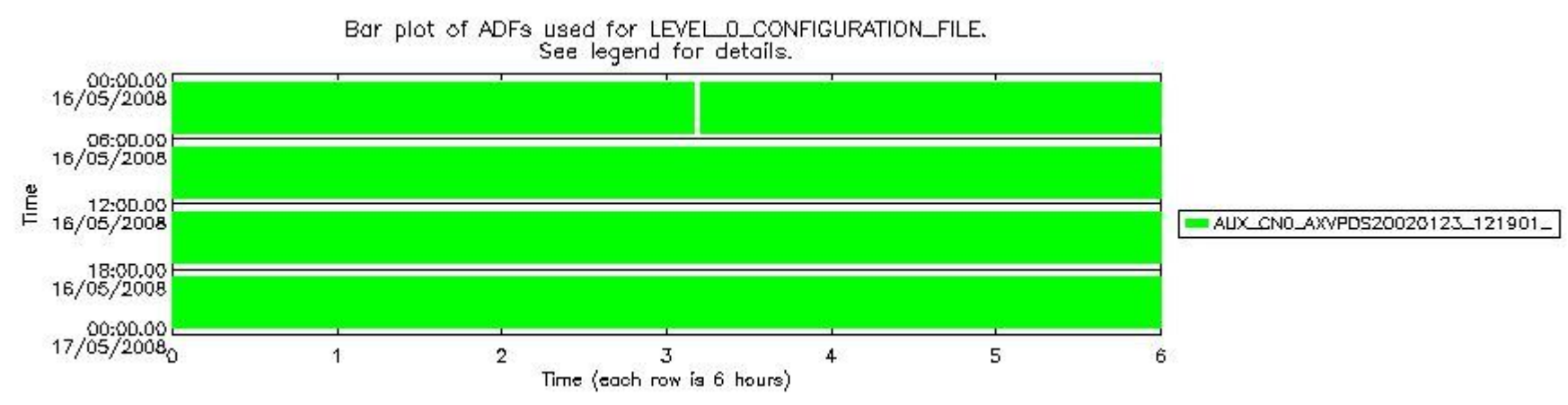
0.4 ADF monitoring

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

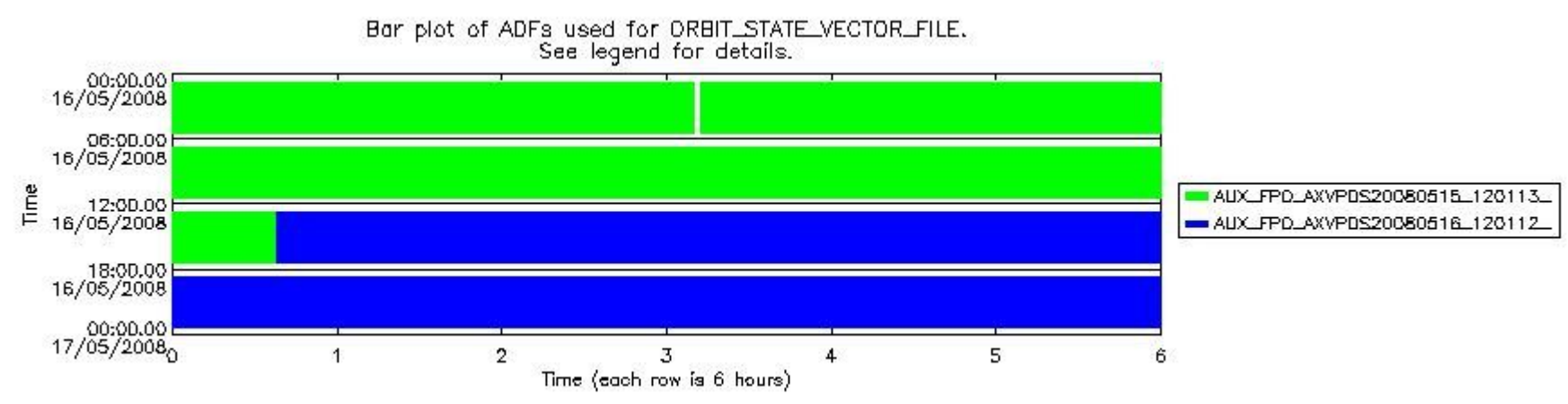
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

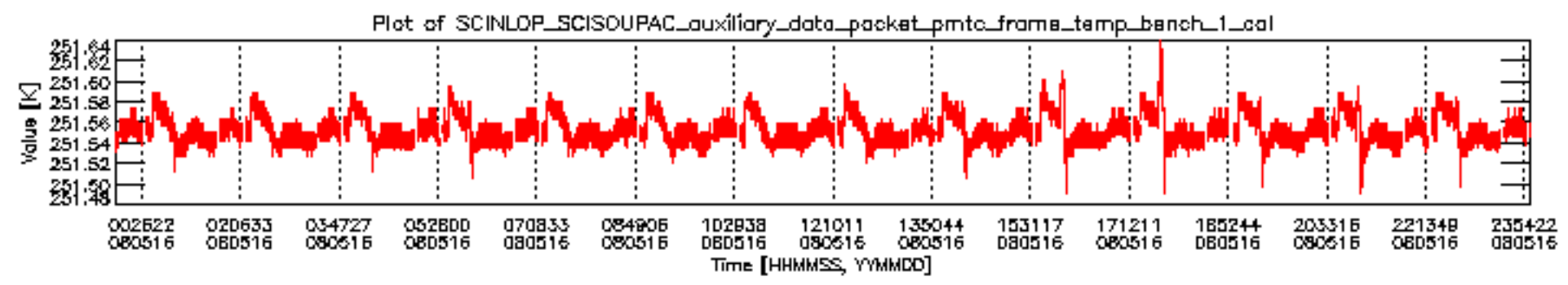
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080515_120113_20080514_195554_20080524_212208
2	AUX_FPO_AXVPDS20080516_120112_20080515_192417_20080525_205031

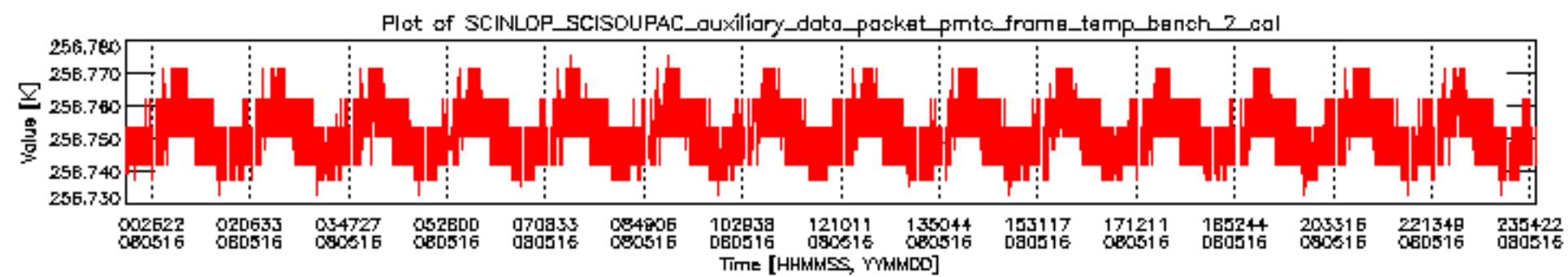


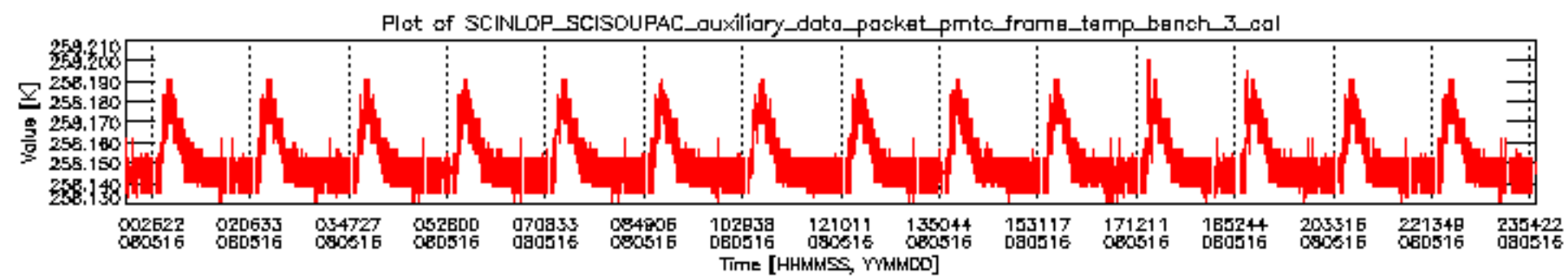
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080516_7.PNG

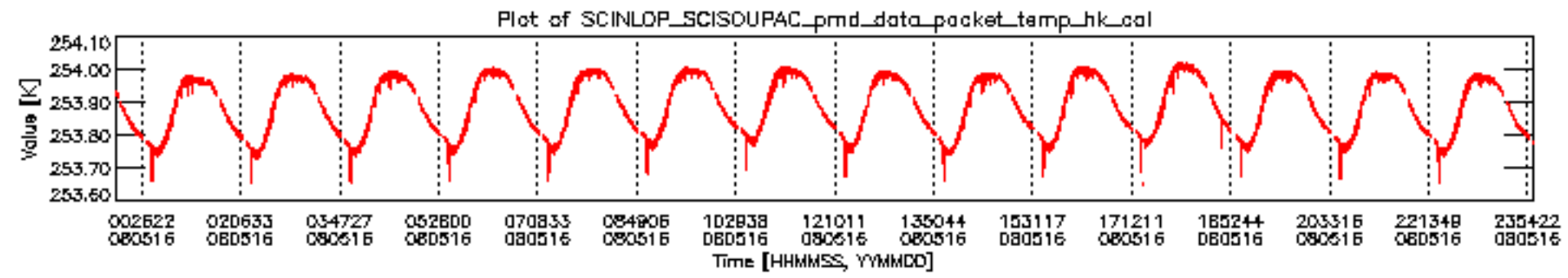


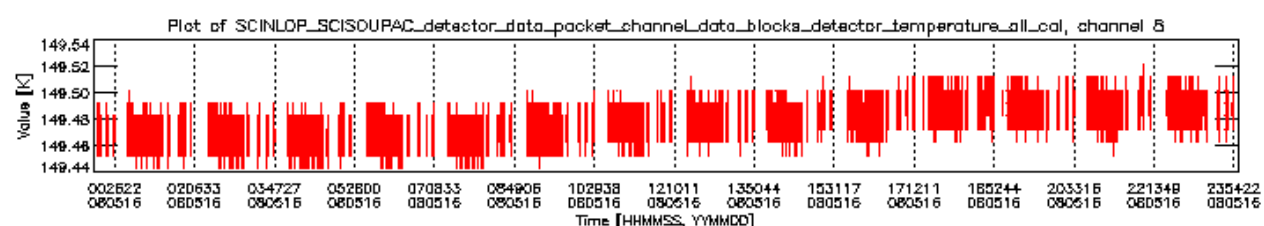
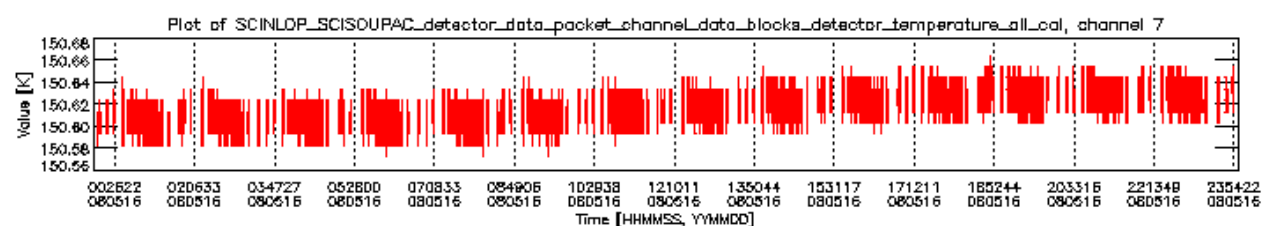
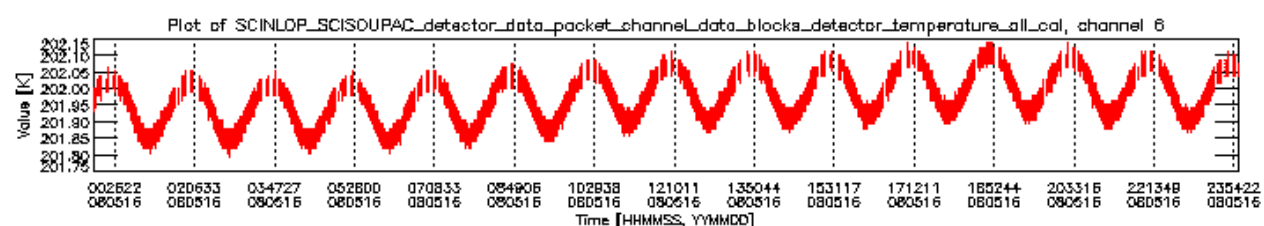
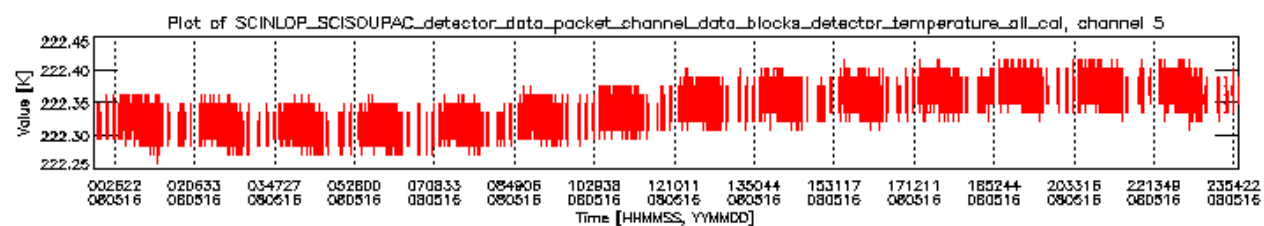
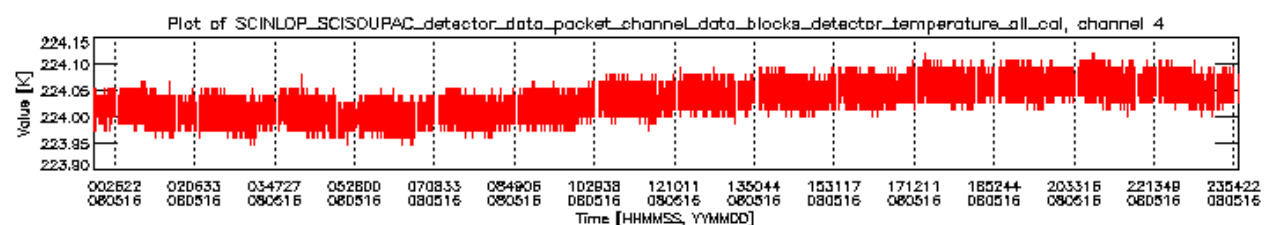
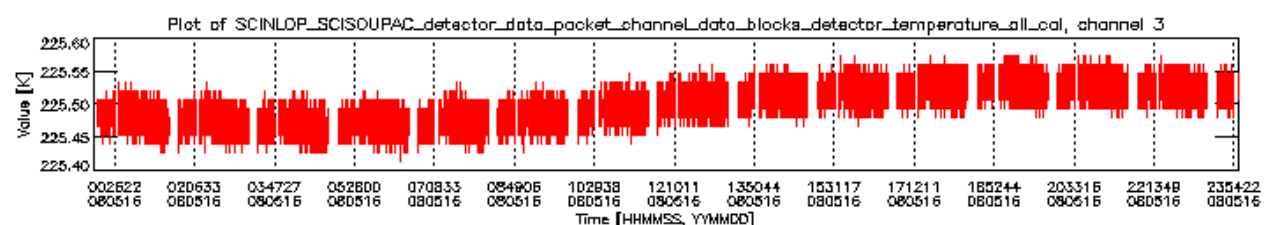
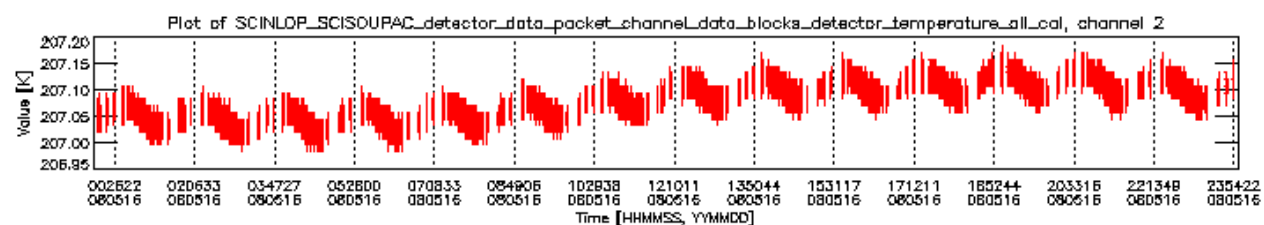
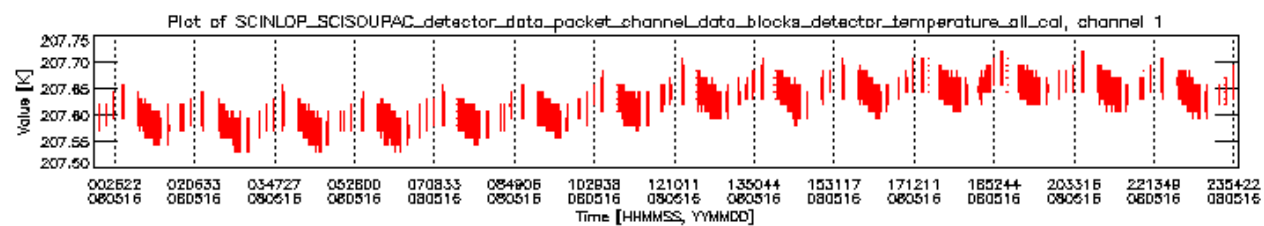
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080516_8.PNG

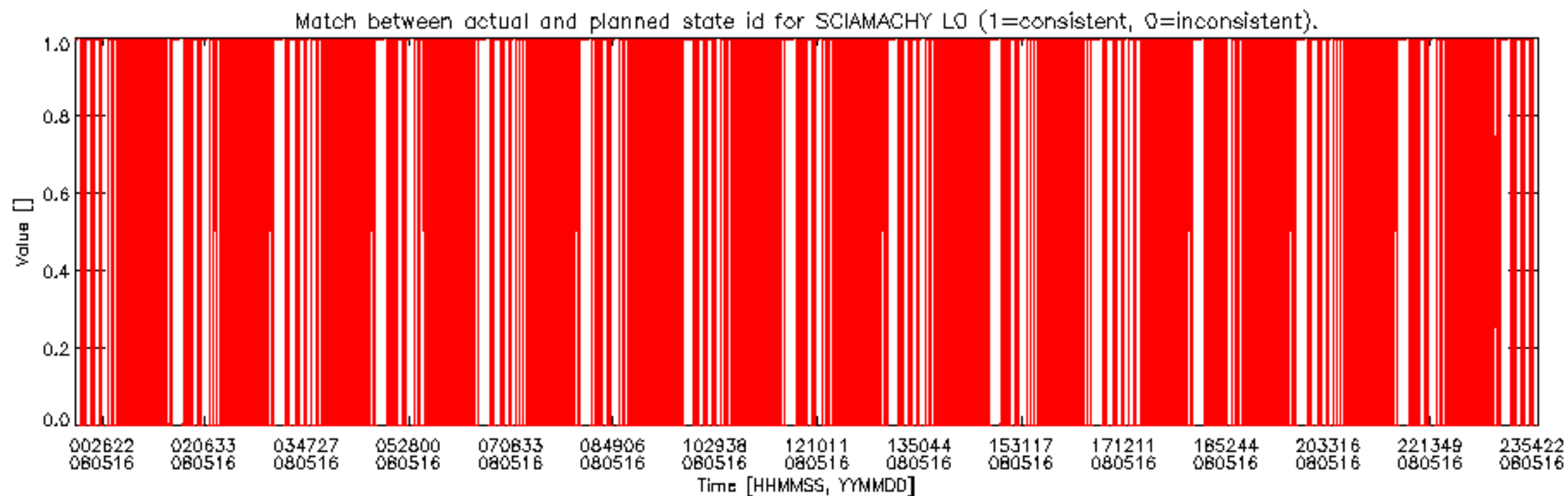
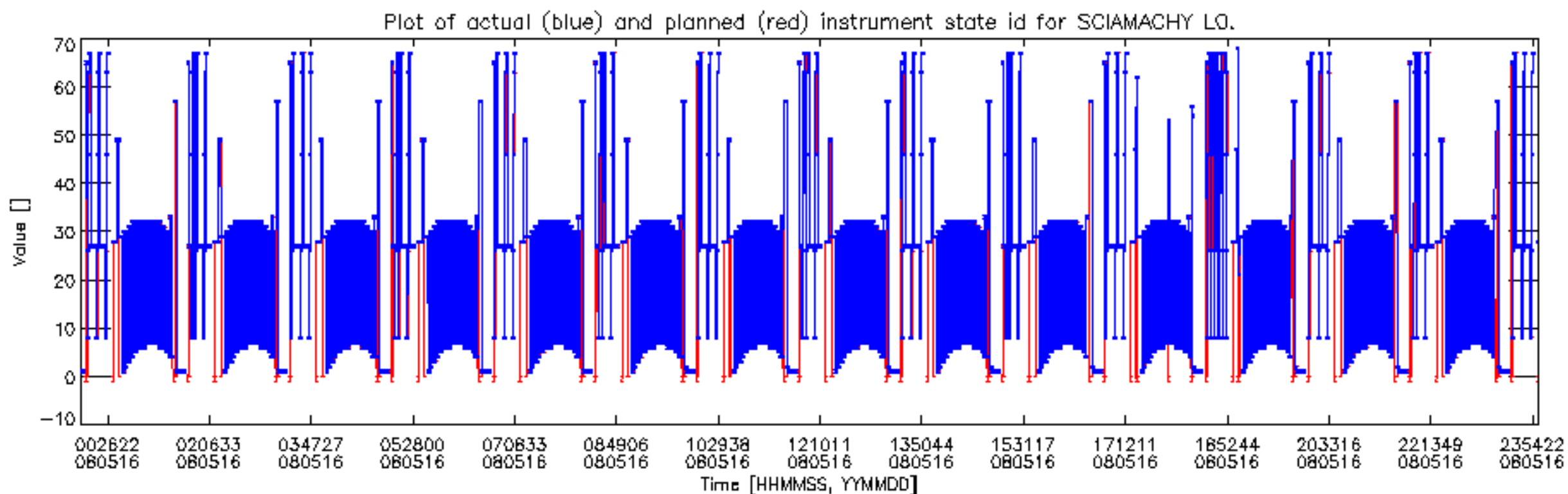












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