

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	29SEP2008 05:48:47
Data source version	KSPT_L0/4303-N
Processing scope for products	25SEP2008 00:00:00 to 26SEP2008 00:00:00
Start time of first product within scope	24SEP2008 23:25:02
Stop time of last product within scope	26SEP2008 00:34:45
Total number of level 0 products	15
Number of level 0 products with errors	1

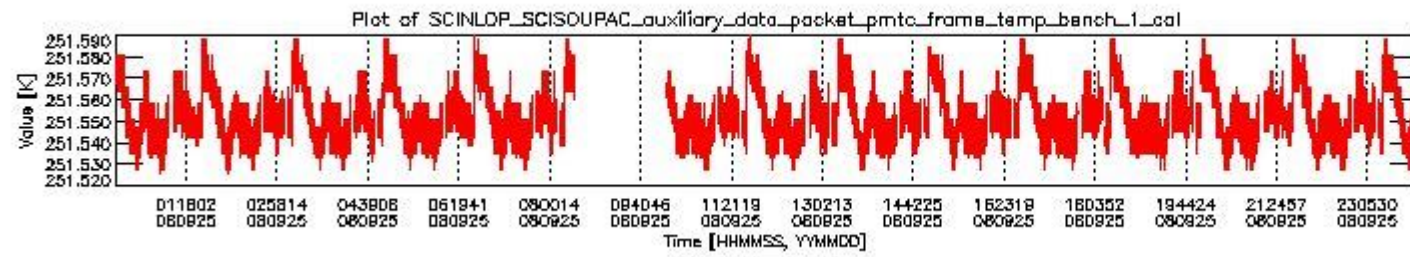
0.1.2 Summary per product

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

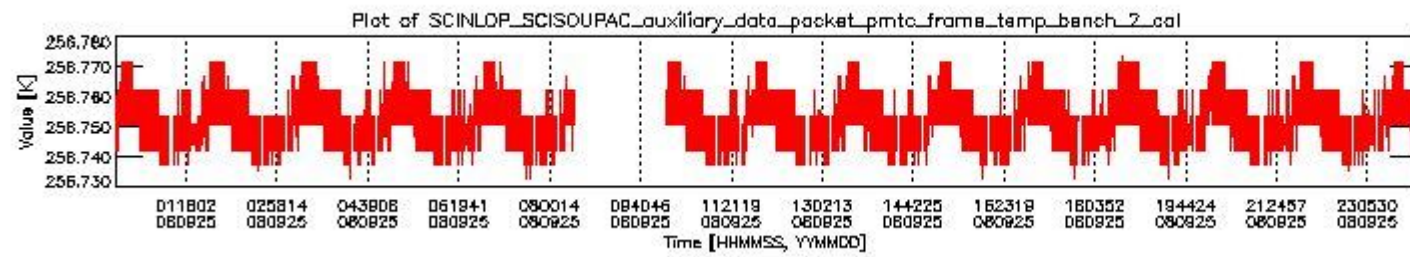
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080924_232502_000060392072_00230_34352_7572.N1	24SEP2008 23:25:02	25SEP2008 01:05:41	0	0	0	0	0
1	SCI_NL__OPNPDE20080925_010454_000046622072_00231_34353_7573.N1	25SEP2008 01:04:54	25SEP2008 02:22:35	0	0	0	0	0
2	SCI_NL__OPNPDE20080925_022235_000057752072_00232_34354_7574.N1	25SEP2008 02:22:35	25SEP2008 03:58:50	0	0	0	0	0
3	SCI_NL__OPNPDE20080925_035754_000061052072_00233_34355_7575.N1	25SEP2008 03:57:54	25SEP2008 05:39:39	0	0	0	0	0
4	SCI_NL__OPNPDE20080925_053831_000062172072_00234_34356_7576.N1	25SEP2008 05:38:31	25SEP2008 07:22:08	0	0	0	0	0
5	SCI_NL__OPNPDK20080925_072112_000039902072_00235_34357_9494.N1	25SEP2008 07:21:12	25SEP2008 08:27:42	0	0	0	0	0
6	SCI_NL__OPNPDK20080925_101010_000058562072_00237_34359_3619.N1	25SEP2008 10:10:10	25SEP2008 11:47:46	0	0	0	0	0
7	SCI_NL__OPNPDK20080925_114650_000060922072_00238_34360_3620.N1	25SEP2008 11:46:50	25SEP2008 13:28:22	1	1	0	0	0
8	SCI_NL__OPNPDK20080925_132714_000059812072_00239_34361_9496.N1	25SEP2008 13:27:14	25SEP2008 15:06:54	0	0	0	0	0
9	SCI_NL__OPNPDK20080925_150450_000059682072_00240_34362_9497.N1	25SEP2008 15:04:50	25SEP2008 16:44:18	0	0	0	0	0
10	SCI_NL__OPNPDK20080925_164226_000059452072_00241_34363_9498.N1	25SEP2008 16:42:26	25SEP2008 18:21:31	0	0	0	0	0
11	SCI_NL__OPNPDK20080925_182131_000059962072_00242_34364_9499.N1	25SEP2008 18:21:31	25SEP2008 20:01:27	0	0	0	0	0
12	SCI_NL__OPNPDE20080925_195930_000039292072_00243_34365_7577.N1	25SEP2008 19:59:30	25SEP2008 21:04:58	0	0	0	0	0
13	SCI_NL__OPNPDE20080925_211044_000061682072_00243_34365_7578.N1	25SEP2008 21:10:44	25SEP2008 22:53:32	0	0	0	0	0
14	SCI_NL__OPNPDE20080925_225248_000061172072_00244_34366_7579.N1	25SEP2008 22:52:48	26SEP2008 00:34:45	0	0	0	0	0

0.2 Product Quality Indicators

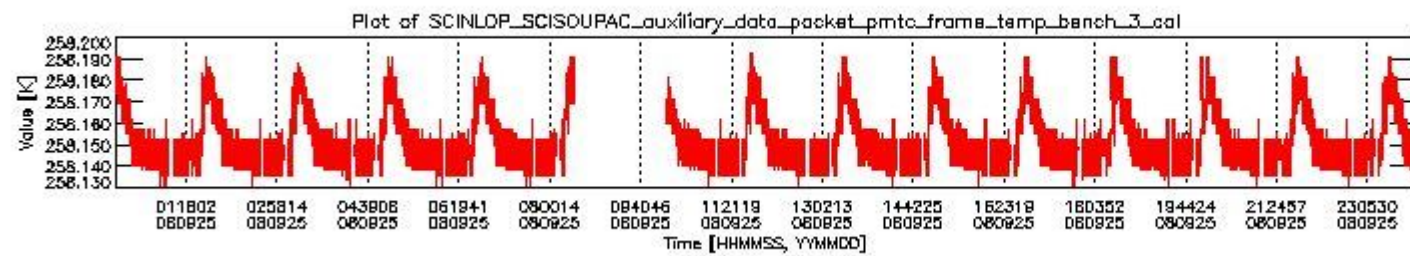
This section shows information about product quality, currently temperatures.



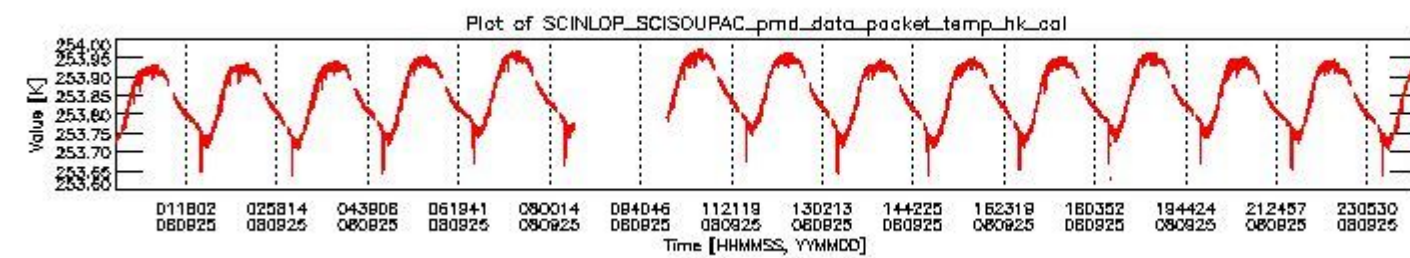
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080925_0.PNG



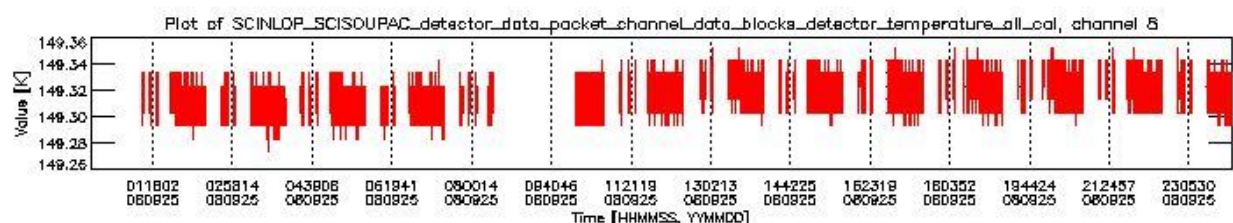
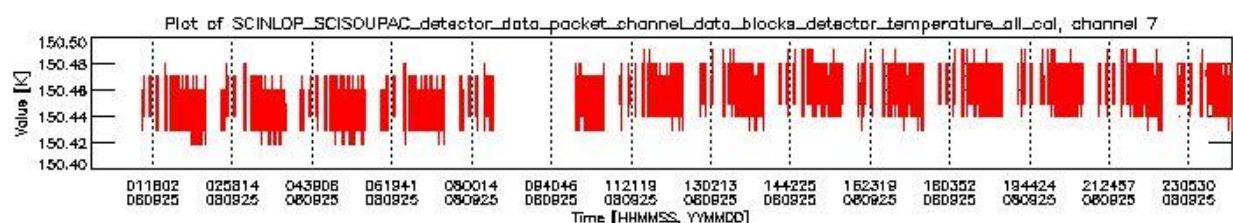
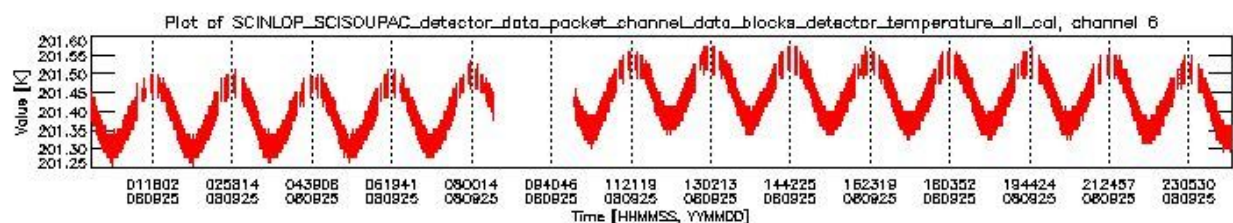
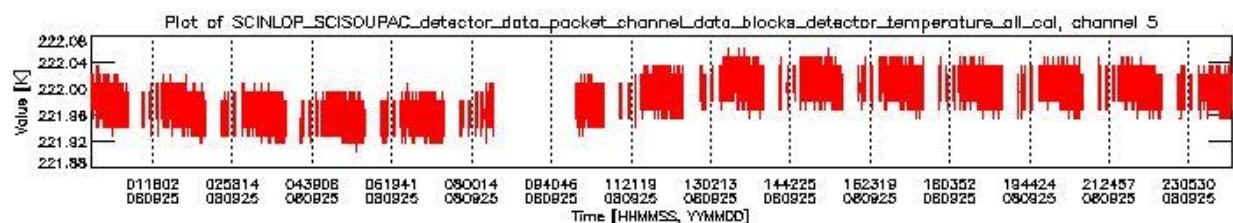
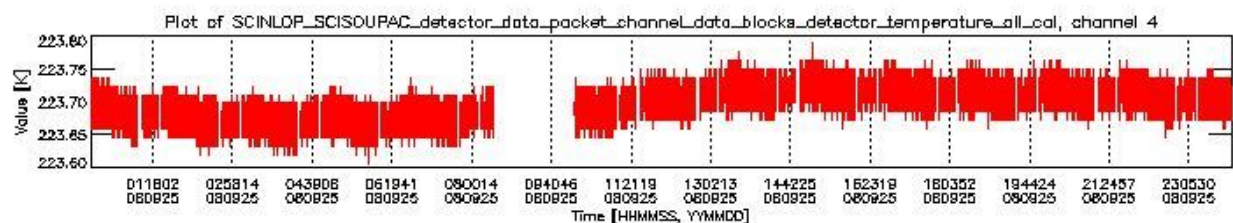
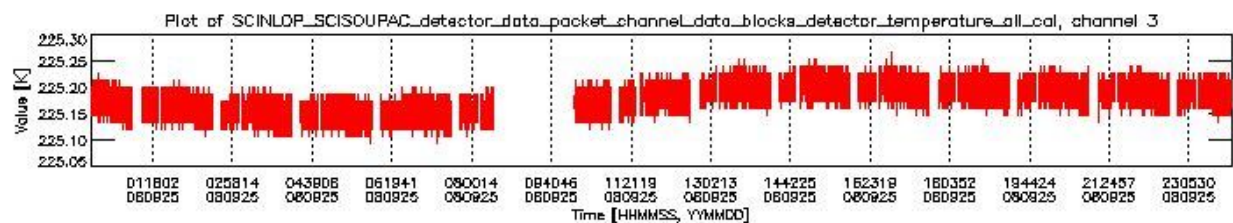
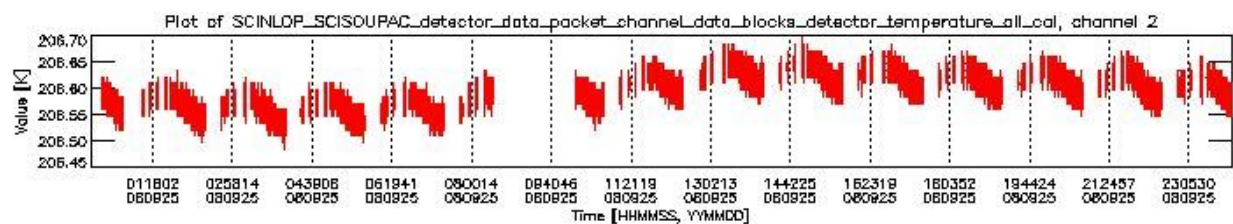
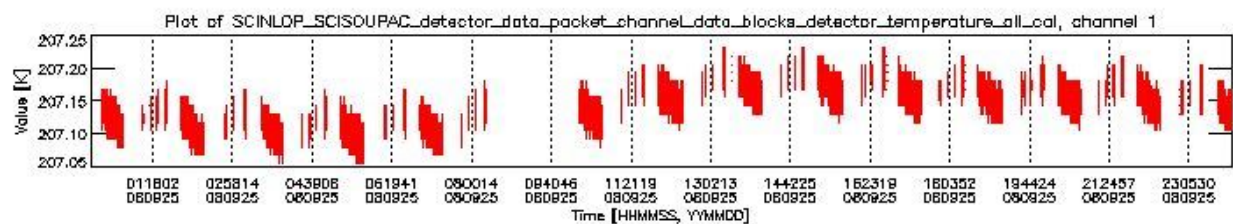
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080925_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080925_3.PNG

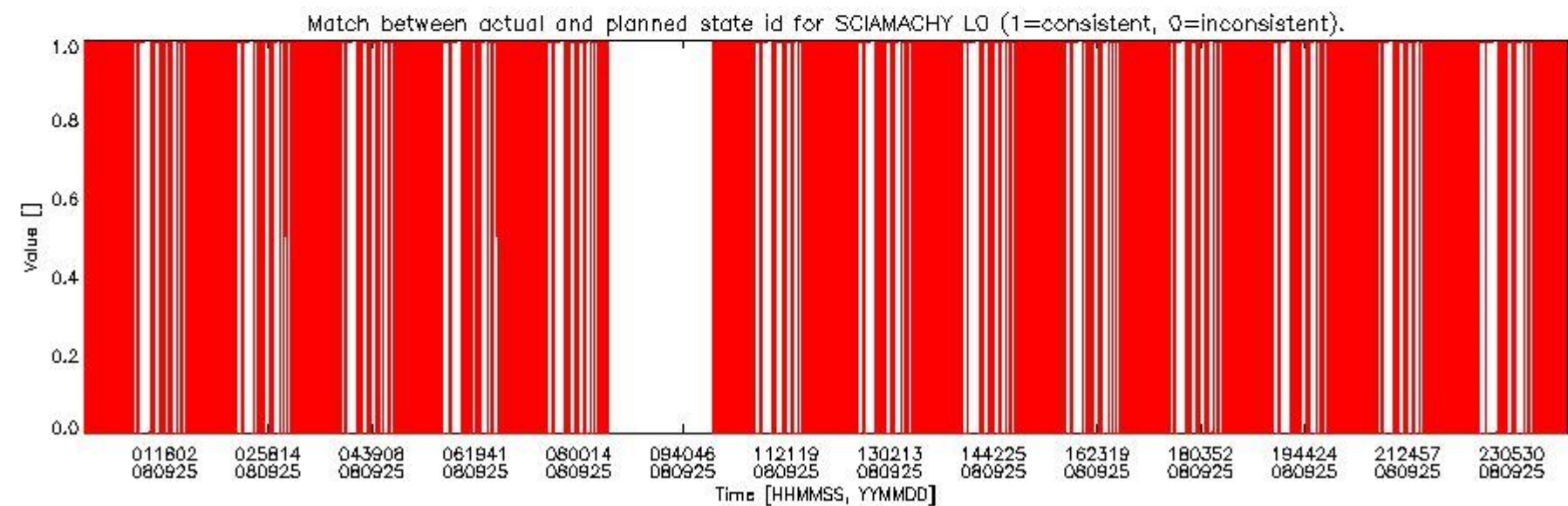
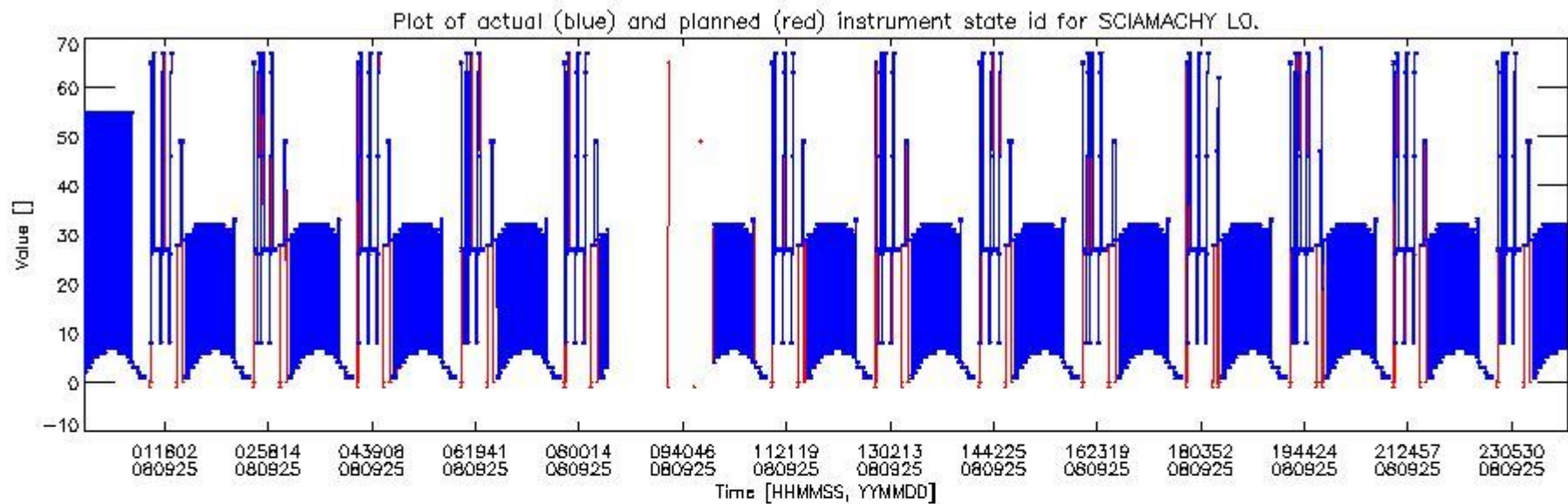


0.3 State monitoring

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: **44764**

#	Actual time	Actual value	Planned time	Planned value
0	25SEP2008 00:00:18.156047	2	25SEP2008 00:00:18.156047	55
1	25SEP2008 00:00:18.406056	2	25SEP2008 00:00:18.406056	55
2	25SEP2008 00:00:18.531020	2	25SEP2008 00:00:18.531020	55
3	25SEP2008 00:00:18.656024	2	25SEP2008 00:00:18.656024	55
4	25SEP2008 00:00:18.781029	2	25SEP2008 00:00:18.781029	55
5	25SEP2008 00:00:18.906033	2	25SEP2008 00:00:18.906033	55
6	25SEP2008 00:00:19.031037	2	25SEP2008 00:00:19.031037	55
7	25SEP2008 00:00:19.156042	2	25SEP2008 00:00:19.156042	55
8	25SEP2008 00:00:19.281046	2	25SEP2008 00:00:19.281046	55
9	25SEP2008 00:00:19.406050	2	25SEP2008 00:00:19.406050	55
10	25SEP2008 00:00:19.531055	2	25SEP2008 00:00:19.531055	55
11	25SEP2008 00:00:19.656019	2	25SEP2008 00:00:19.656019	55
12	25SEP2008 00:00:19.781023	2	25SEP2008 00:00:19.781023	55
13	25SEP2008 00:00:19.906028	2	25SEP2008 00:00:19.906028	55
14	25SEP2008 00:00:20.031032	2	25SEP2008 00:00:20.031032	55
15	25SEP2008 00:00:20.156036	2	25SEP2008 00:00:20.156036	55
16	25SEP2008 00:00:20.281041	2	25SEP2008 00:00:20.281041	55
17	25SEP2008 00:00:20.406045	2	25SEP2008 00:00:20.406045	55
18	25SEP2008 00:00:20.531049	2	25SEP2008 00:00:20.531049	55
19	25SEP2008 00:00:20.656054	2	25SEP2008 00:00:20.656054	55

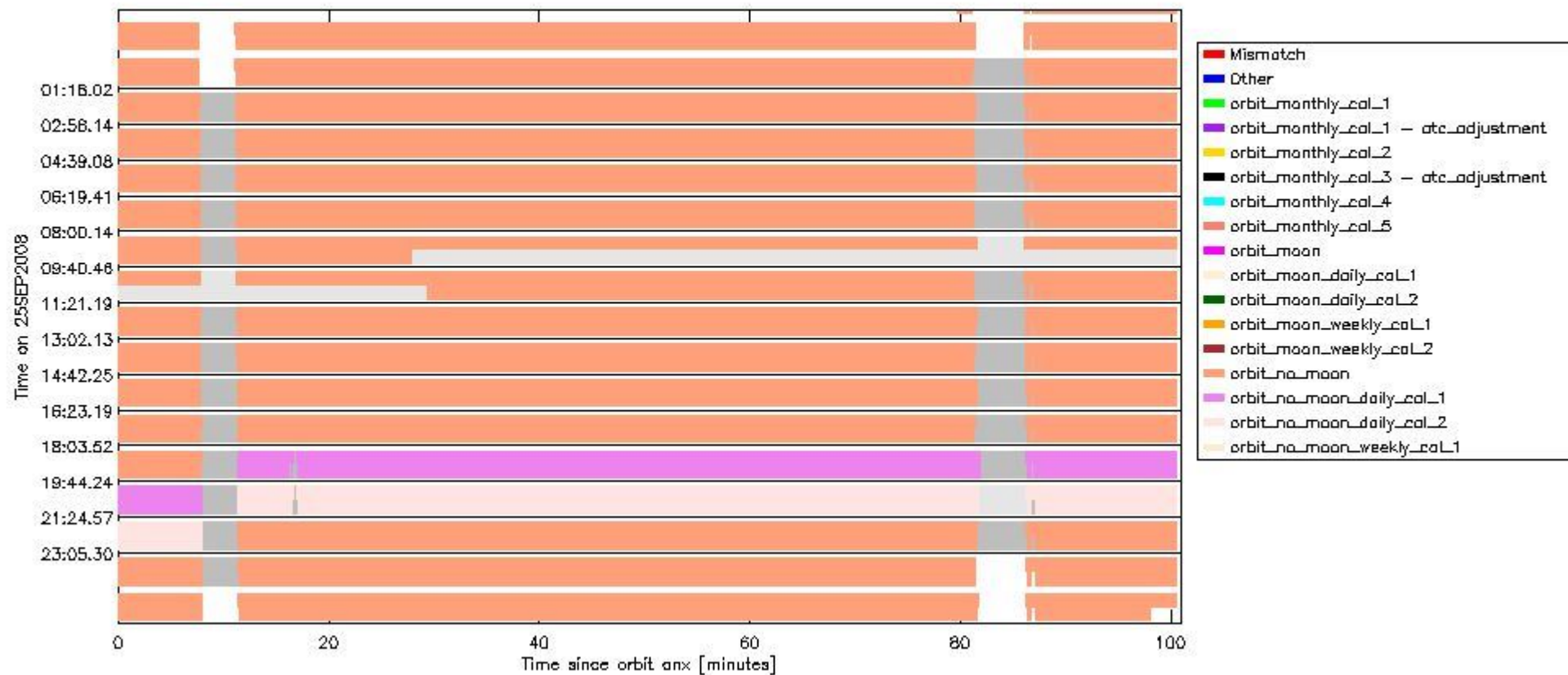


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080925_5.PNG

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 25SEP2008.
 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_20080925_6.PNG

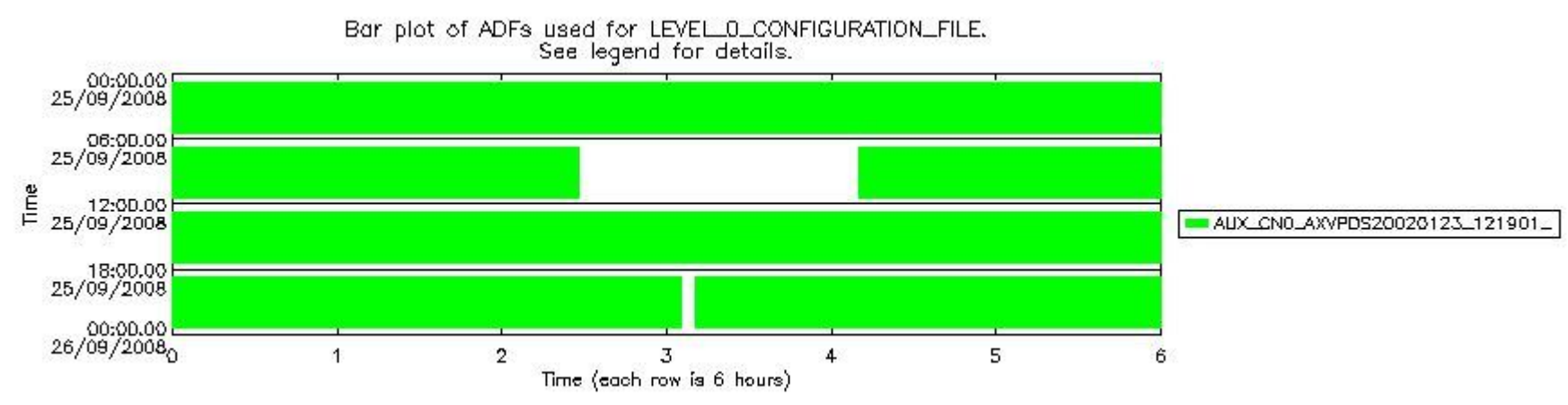
0.4 ADF monitoring

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

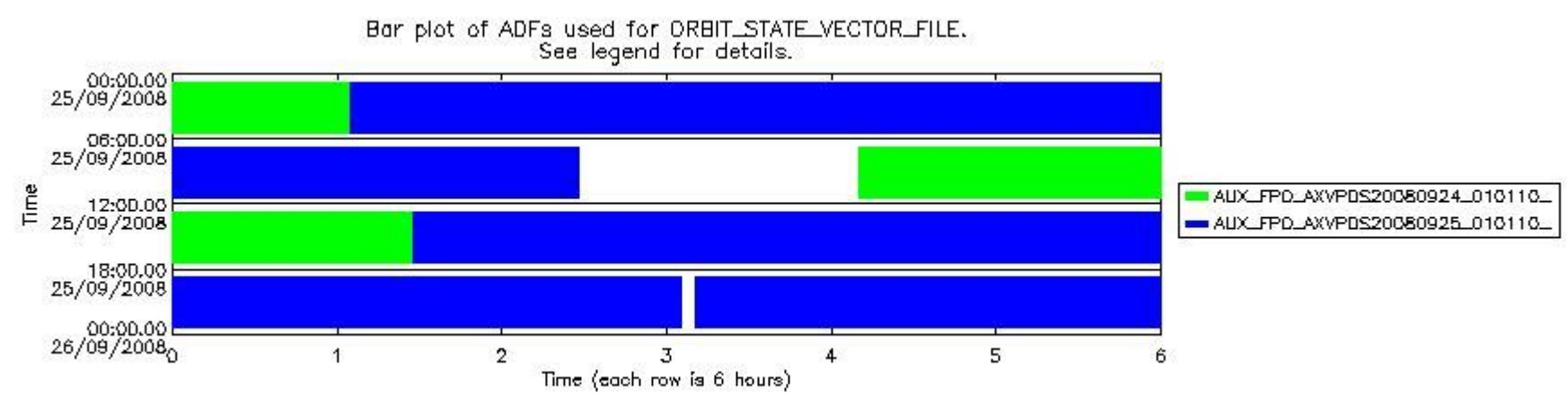
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

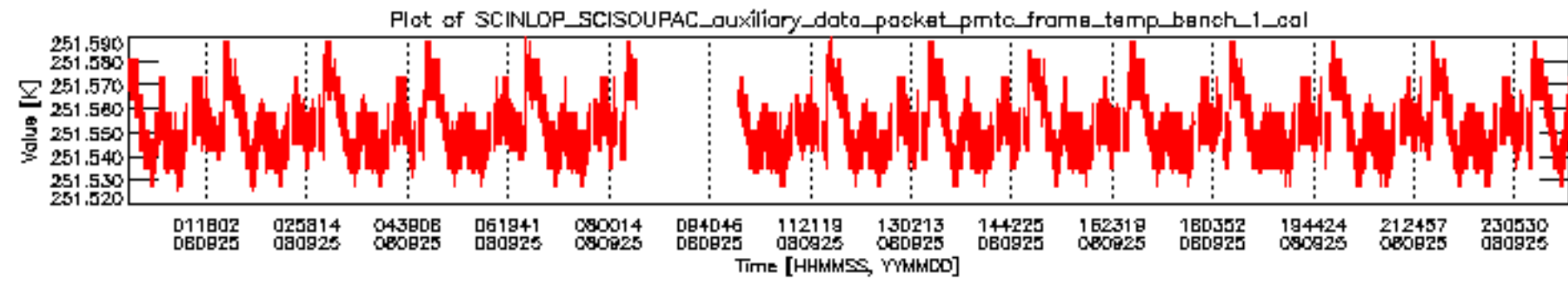
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080924_010110_20080923_190702_20081003_203316
2	AUX_FPO_AXVPDS20080925_010110_20080924_183525_20081004_200139

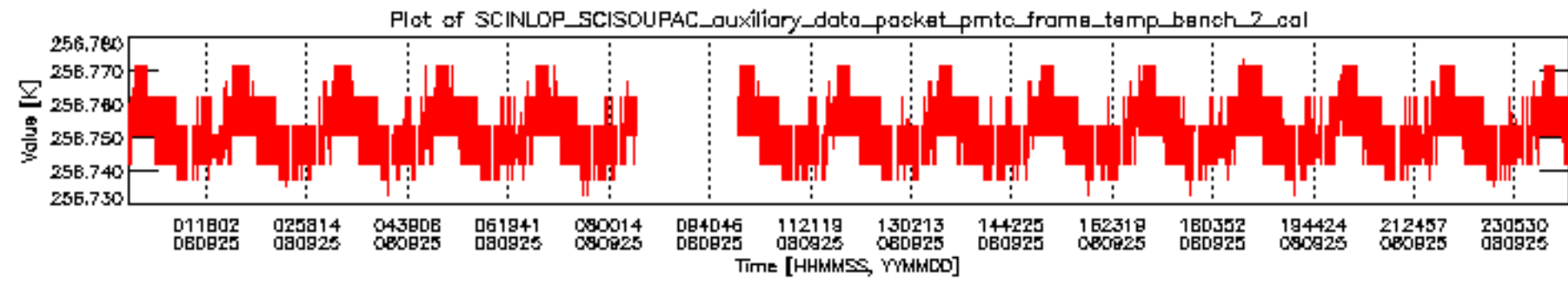


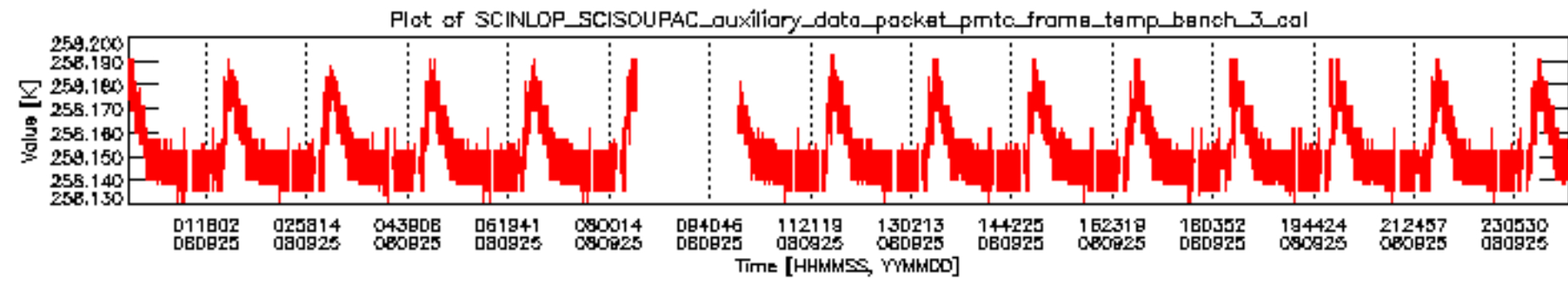
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080925_7.PNG

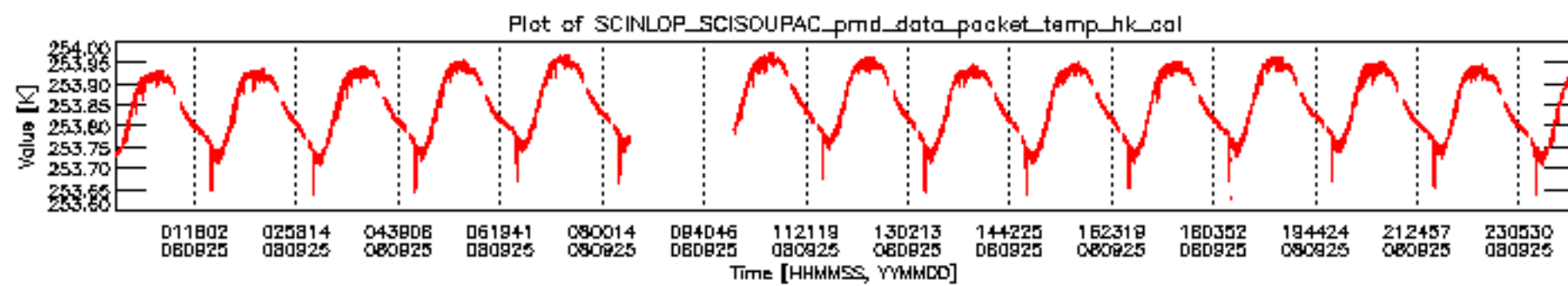


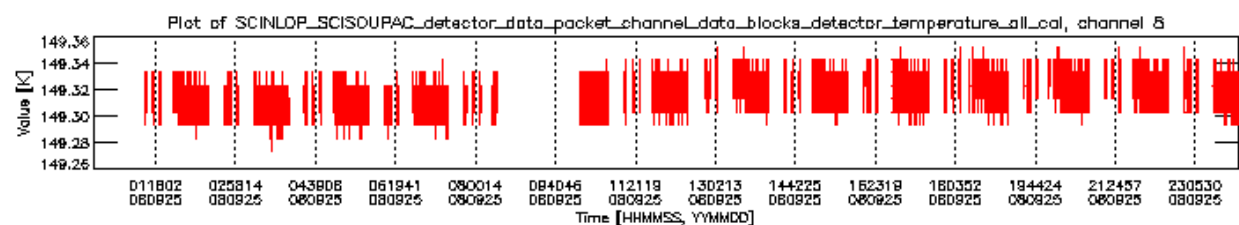
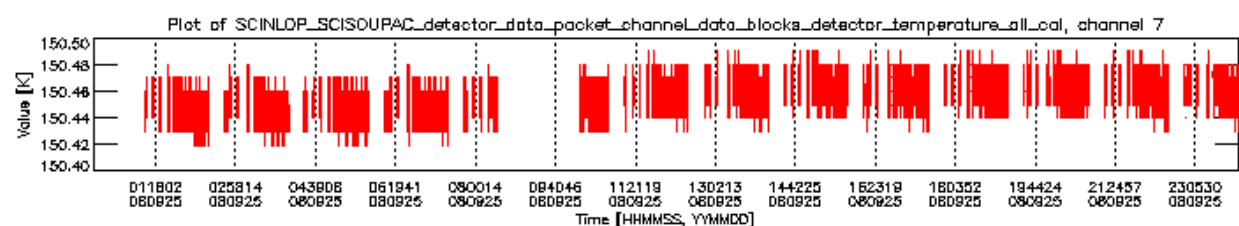
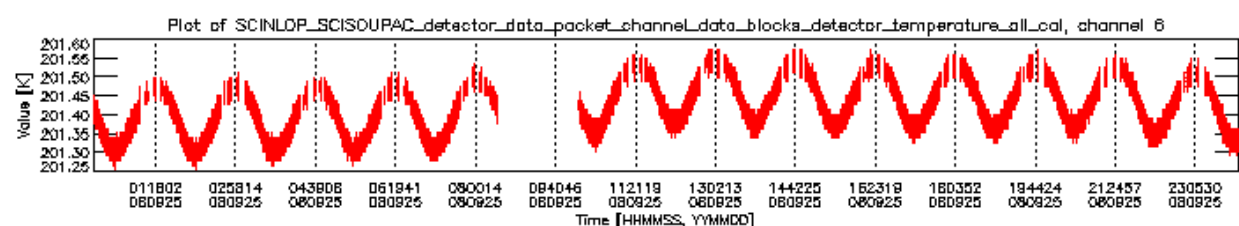
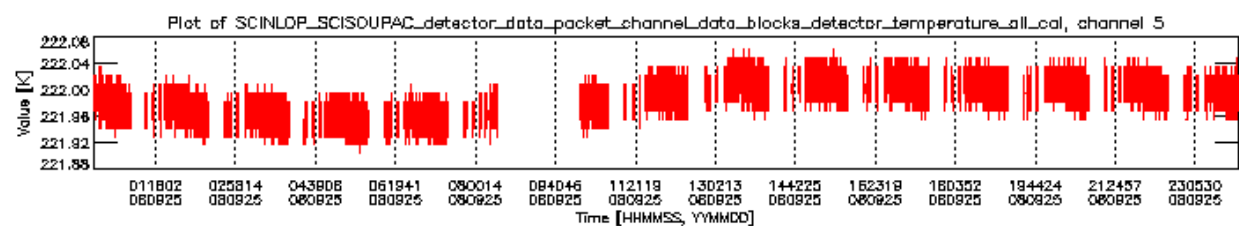
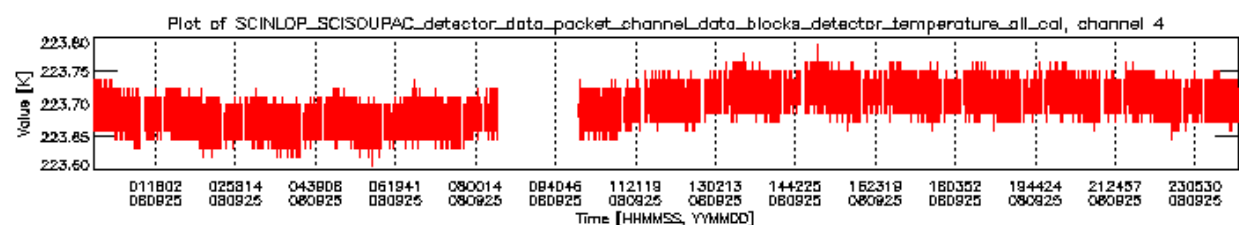
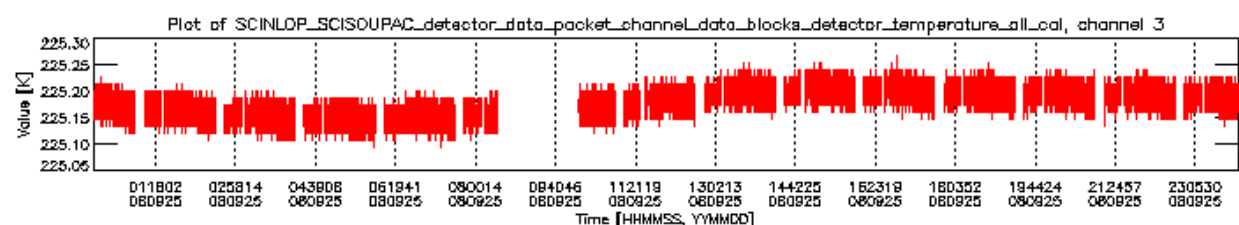
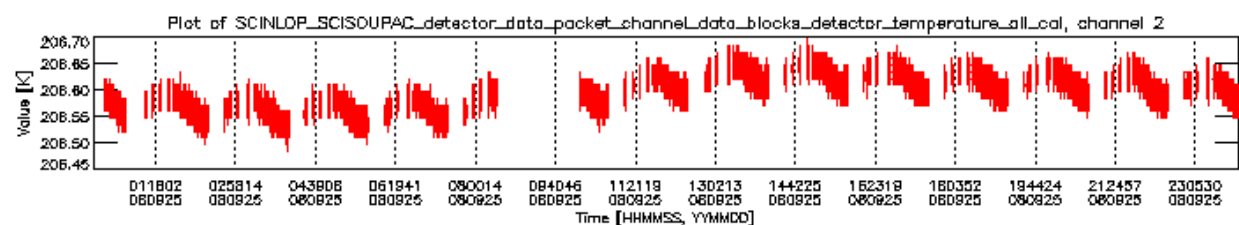
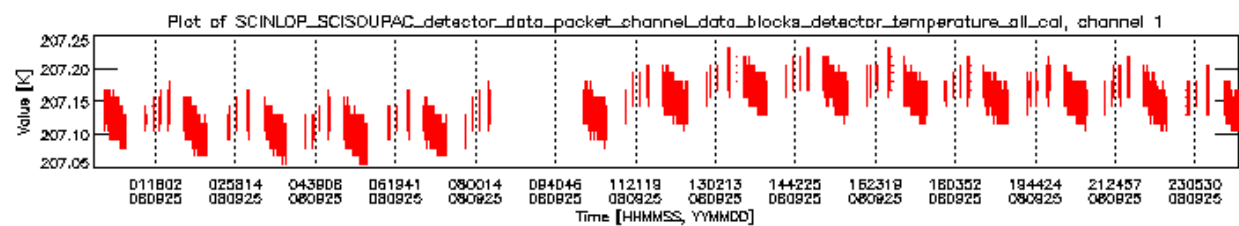
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080925_8.PNG

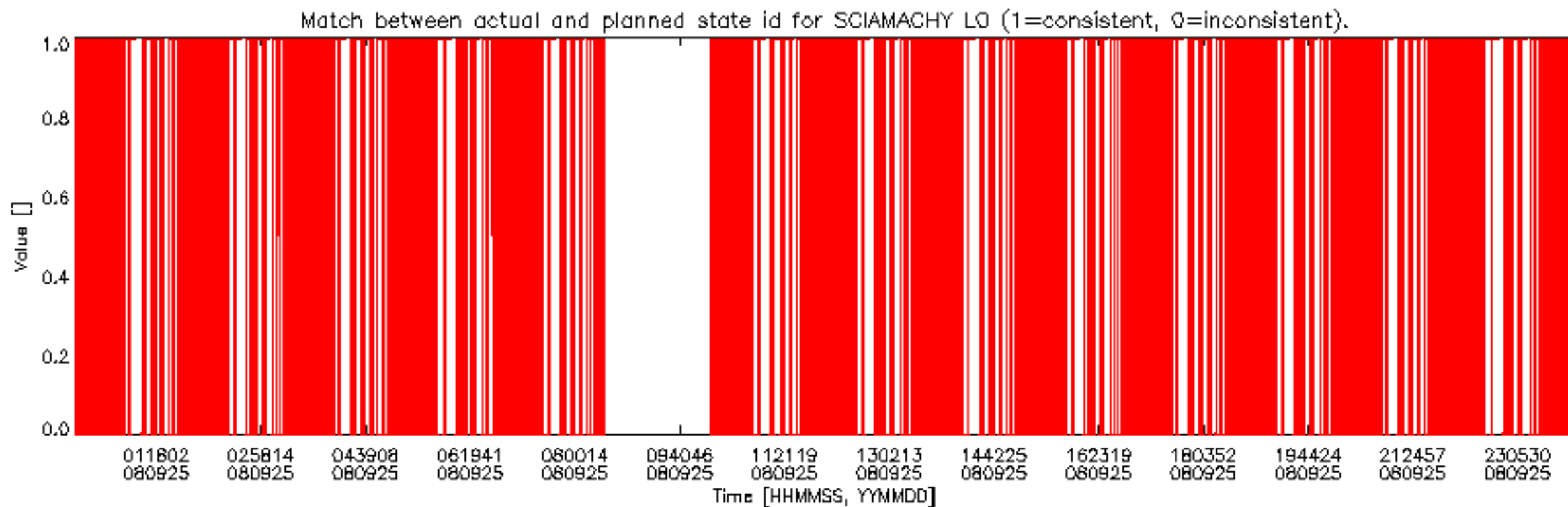
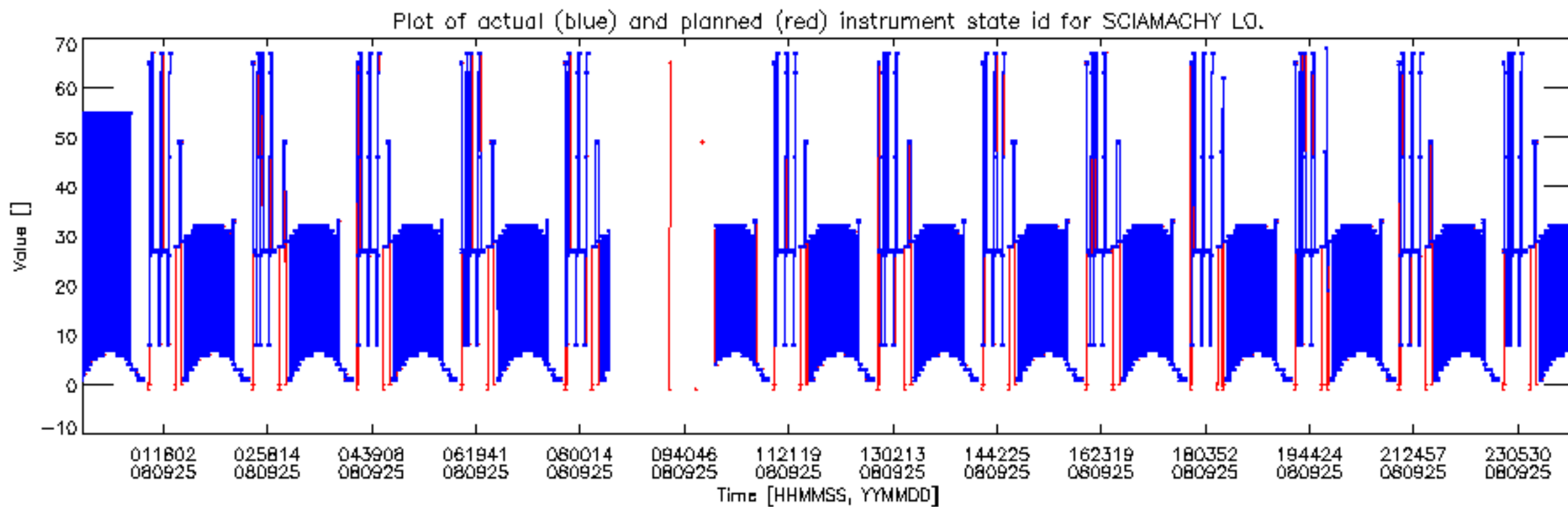












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