

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	15JUN2009 10:09:44
Data source version	KSPT_L0/4303-N
Processing scope for products	13JUN2009 00:00:00 to 14JUN2009 00:00:00
Start time of first product within scope	12JUN2009 23:21:31
Stop time of last product within scope	14JUN2009 00:31:45
Total number of level 0 products	17
Number of level 0 products with errors	2

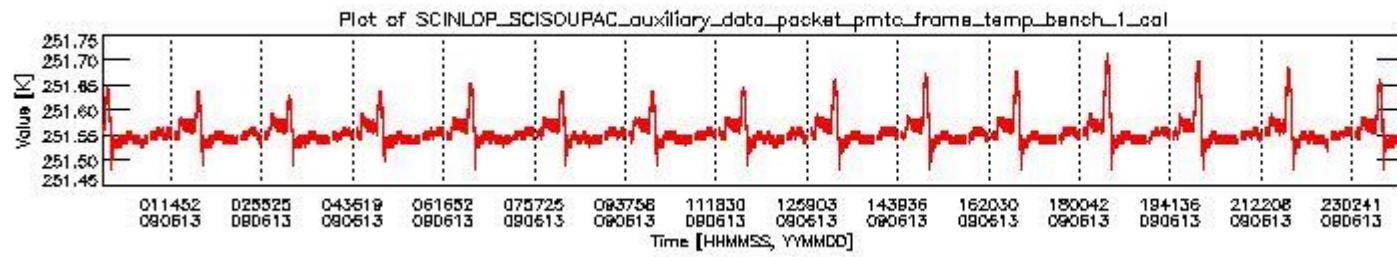
0.1.2 Summary per product

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

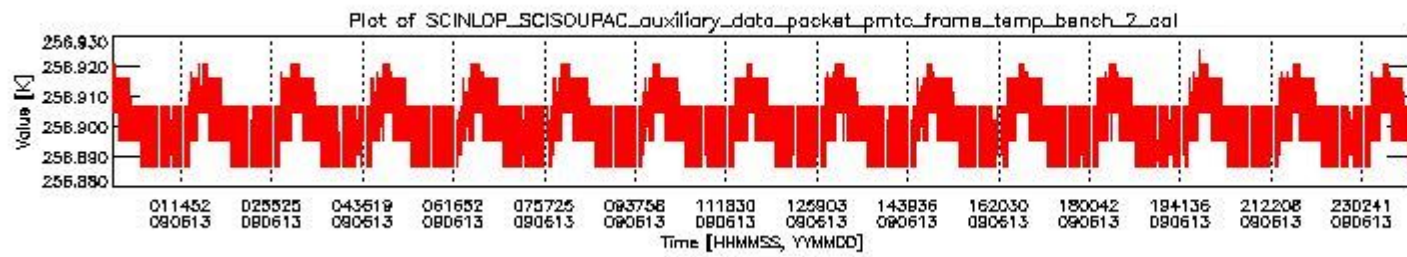
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090612_232131_000061112079_00459_38088_9327.N1	12JUN2009 23:21:31	13JUN2009 01:03:23	0	0	0	0	0
1	SCI_NL__OPNPDE20090613_010239_000049212079_00460_38089_9328.N1	13JUN2009 01:02:39	13JUN2009 02:24:39	0	0	0	0	0
2	SCI_NL__OPNPDE20090613_022331_000055692079_00461_38090_9329.N1	13JUN2009 02:23:31	13JUN2009 03:56:19	0	0	0	0	0
3	SCI_NL__OPNPDE20090613_035523_000061482079_00462_38091_9330.N1	13JUN2009 03:55:23	13JUN2009 05:37:51	0	0	0	0	0
4	SCI_NL__OPNPDE20090613_053655_000060362079_00463_38092_9331.N1	13JUN2009 05:36:55	13JUN2009 07:17:31	0	0	0	0	0
5	SCI_NL__OPNPDK20090613_071635_000041012079_00464_38093_1791.N1	13JUN2009 07:16:35	13JUN2009 08:24:56	0	0	0	0	0
6	SCI_NL__OPNPDK20090613_082348_000061602079_00465_38094_1792.N1	13JUN2009 08:23:48	13JUN2009 10:06:28	0	0	0	0	0
7	SCI_NL__OPNPDK20090613_100628_000059802079_00466_38095_1793.N1	13JUN2009 10:06:28	13JUN2009 11:46:08	0	0	0	0	0
8	SCI_NL__OPNPDK20090613_114459_000059802079_00467_38096_1794.N1	13JUN2009 11:44:59	13JUN2009 13:24:39	1	1	1	0	0
9	SCI_NL__OPNPDK20090613_132439_000059672079_00468_38097_1795.N1	13JUN2009 13:24:39	13JUN2009 15:04:06	0	0	0	0	0
10	SCI_NL__OPNPDK20090613_150310_000005542079_00469_38098_1796.N1	13JUN2009 15:03:10	13JUN2009 15:12:24	1	1	1	0	0
11	SCI_NL__OPNPDK20090613_151224_000053582079_00469_38098_1797.N1	13JUN2009 15:12:24	13JUN2009 16:41:42	0	0	0	0	0
12	SCI_NL__OPNPDK20090613_164046_000059142079_00470_38099_1798.N1	13JUN2009 16:40:46	13JUN2009 18:19:20	0	0	0	0	0
13	SCI_NL__OPNPDK20090613_181715_000059802079_00471_38100_1799.N1	13JUN2009 18:17:15	13JUN2009 19:56:55	0	0	0	0	0
14	SCI_NL__OPNPDE20090613_195451_000042072079_00472_38101_9332.N1	13JUN2009 19:54:51	13JUN2009 21:04:58	0	0	0	0	0
15	SCI_NL__OPNPDE20090613_210458_000064642079_00472_38101_9333.N1	13JUN2009 21:04:58	13JUN2009 22:52:41	0	0	0	0	0
16	SCI_NL__OPNPDE20090613_225121_000060242079_00473_38102_9334.N1	13JUN2009 22:51:21	14JUN2009 00:31:45	0	0	0	0	0

0.2 Product Quality Indicators

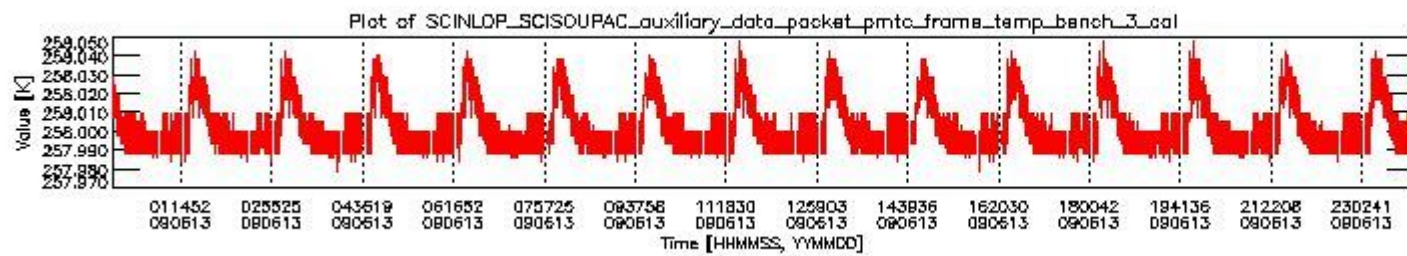
This section shows information about product quality, currently temperatures.



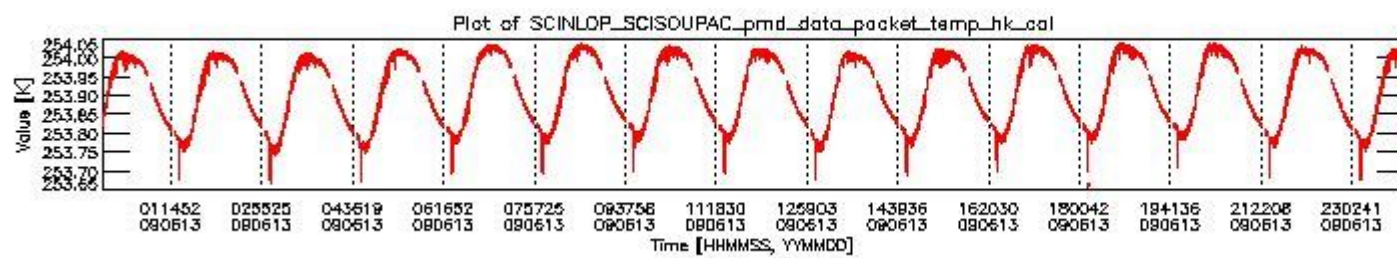
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090613_0.PNG



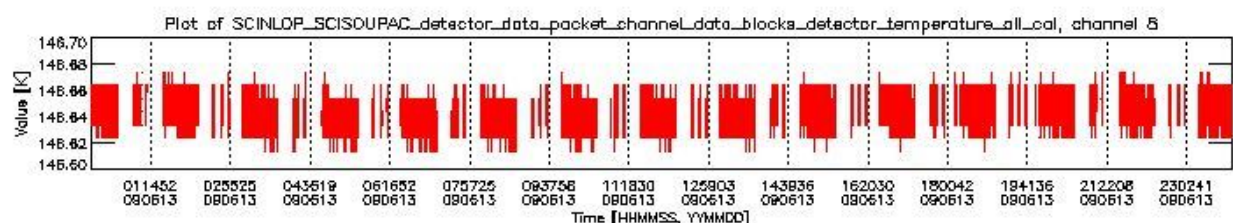
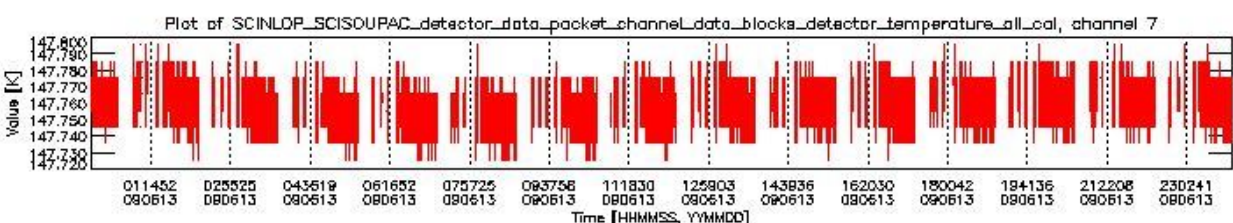
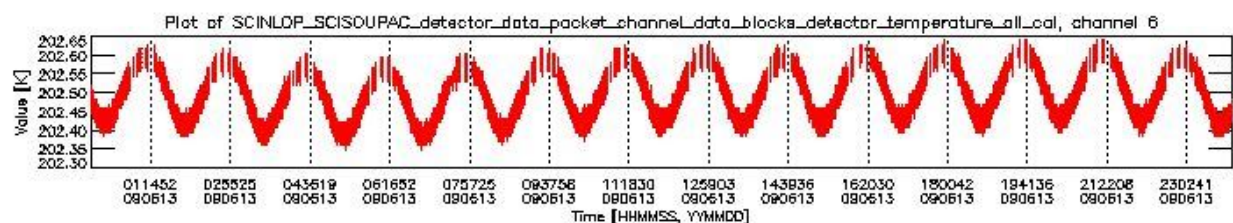
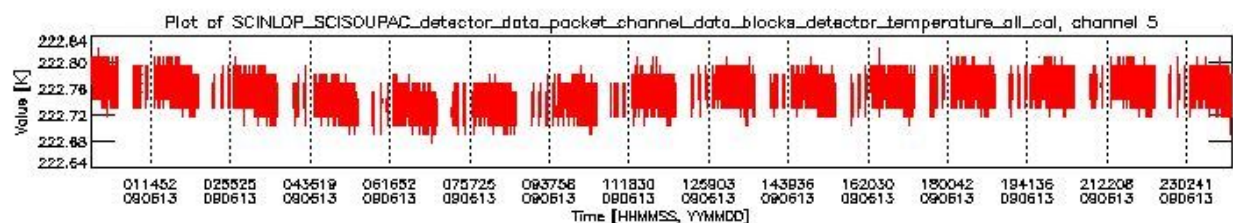
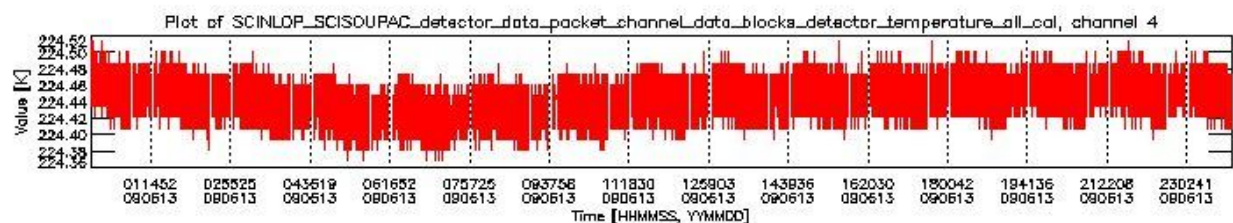
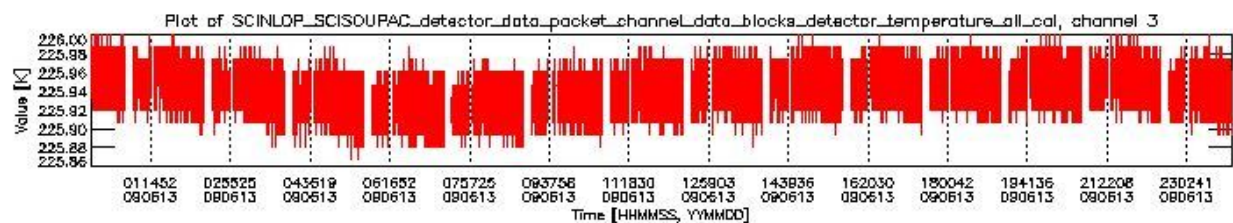
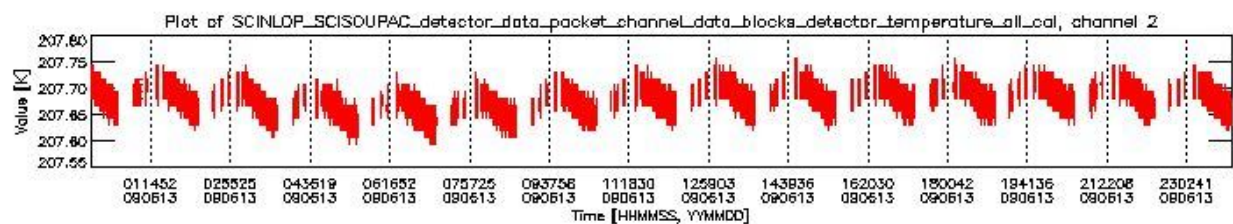
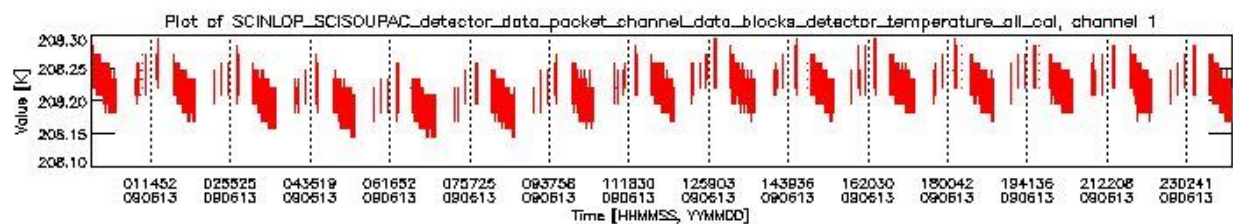
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090613_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090613_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090613_3.PNG

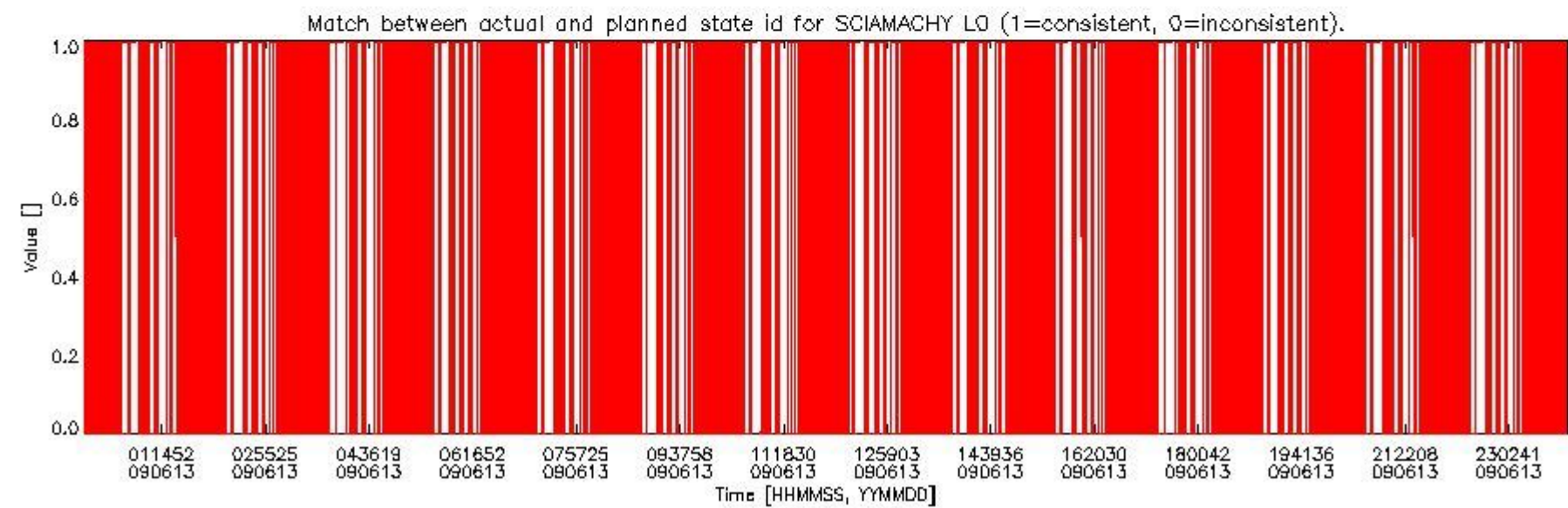
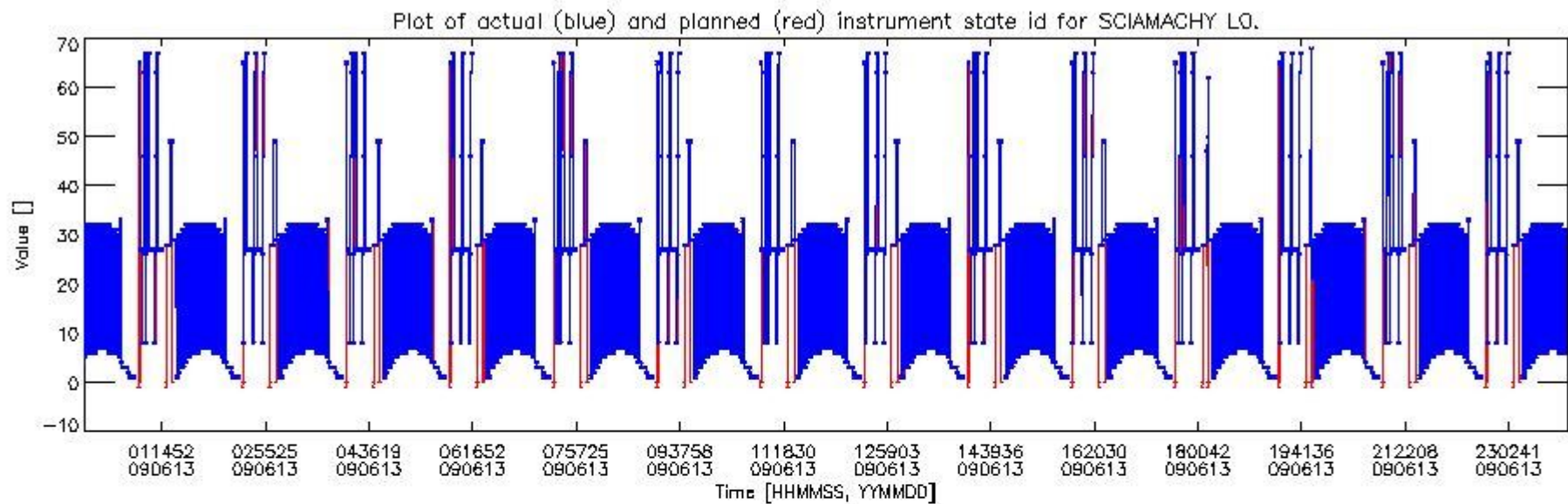


0.3 State monitoring

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: **37584**

#	Actual time	Actual value	Planned time	Planned value
0	13JUN2009 00:00:00.038463	5	13JUN2009 00:00:00.038463	32
1	13JUN2009 00:00:00.163467	5	13JUN2009 00:00:00.163467	32
2	13JUN2009 00:00:00.288472	5	13JUN2009 00:00:00.288472	32
3	13JUN2009 00:00:00.413476	5	13JUN2009 00:00:00.413476	32
4	13JUN2009 00:00:00.538480	5	13JUN2009 00:00:00.538480	32
5	13JUN2009 00:00:00.663485	5	13JUN2009 00:00:00.663485	32
6	13JUN2009 00:00:00.788489	5	13JUN2009 00:00:00.788489	32
7	13JUN2009 00:00:00.913493	5	13JUN2009 00:00:00.913493	32
8	13JUN2009 00:00:01.038457	5	13JUN2009 00:00:01.038457	32
9	13JUN2009 00:00:01.163462	5	13JUN2009 00:00:01.163462	32
10	13JUN2009 00:01:01.472087	32	13JUN2009 00:01:01.472087	5
11	13JUN2009 00:01:02.097068	32	13JUN2009 00:01:02.097068	5
12	13JUN2009 00:01:02.472081	32	13JUN2009 00:01:02.472081	5
13	13JUN2009 00:01:02.847094	32	13JUN2009 00:01:02.847094	5
14	13JUN2009 00:01:03.409594	32	13JUN2009 00:01:03.409594	5
15	13JUN2009 00:01:03.784567	32	13JUN2009 00:01:03.784567	5
16	13JUN2009 00:01:04.159580	32	13JUN2009 00:01:04.159580	5
17	13JUN2009 00:01:04.534593	32	13JUN2009 00:01:04.534593	5
18	13JUN2009 00:01:05.097092	32	13JUN2009 00:01:05.097092	5
19	13JUN2009 00:01:05.472065	32	13JUN2009 00:01:05.472065	5

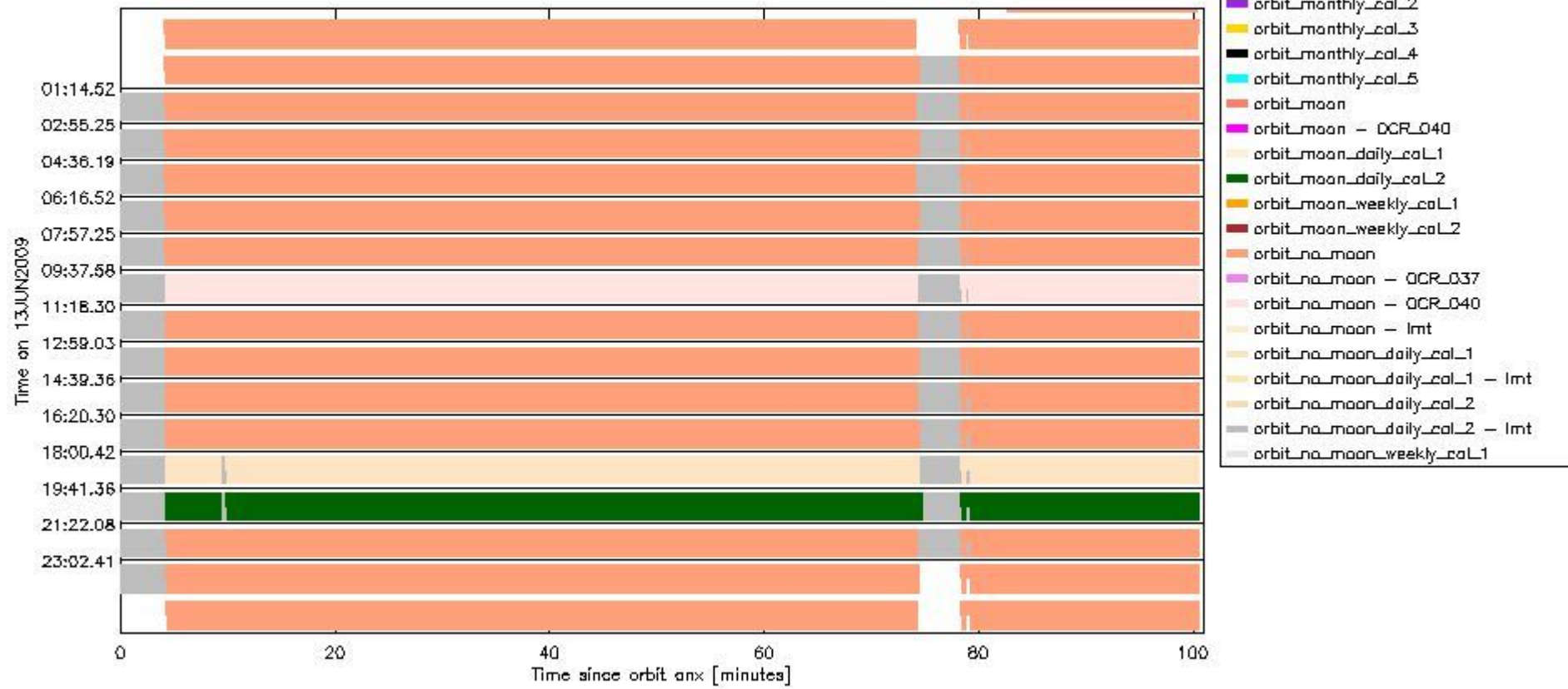


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090613_5.PNG

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 13JUN2009.
 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_20090613_6.PNG

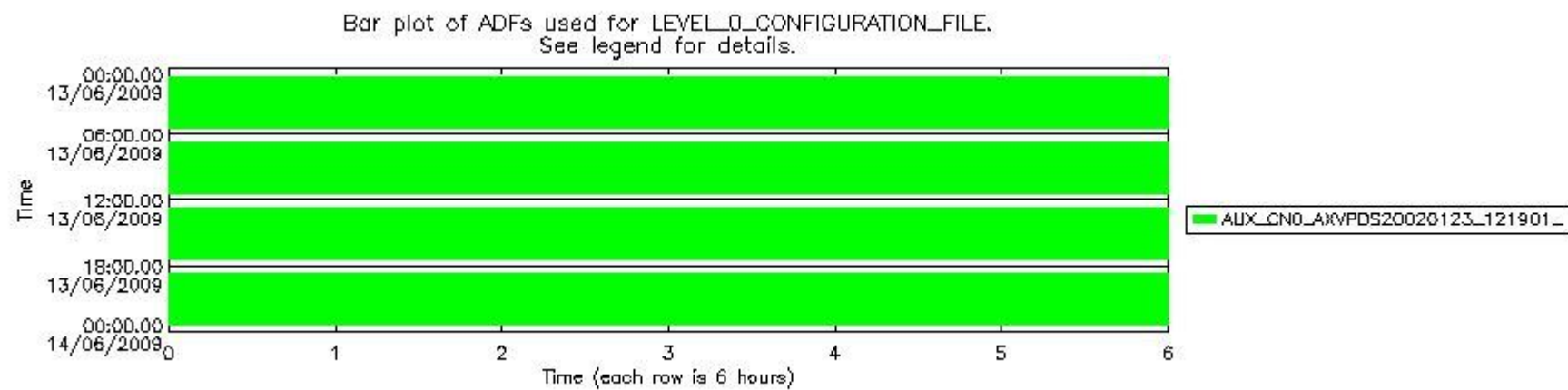
0.4 ADF monitoring

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

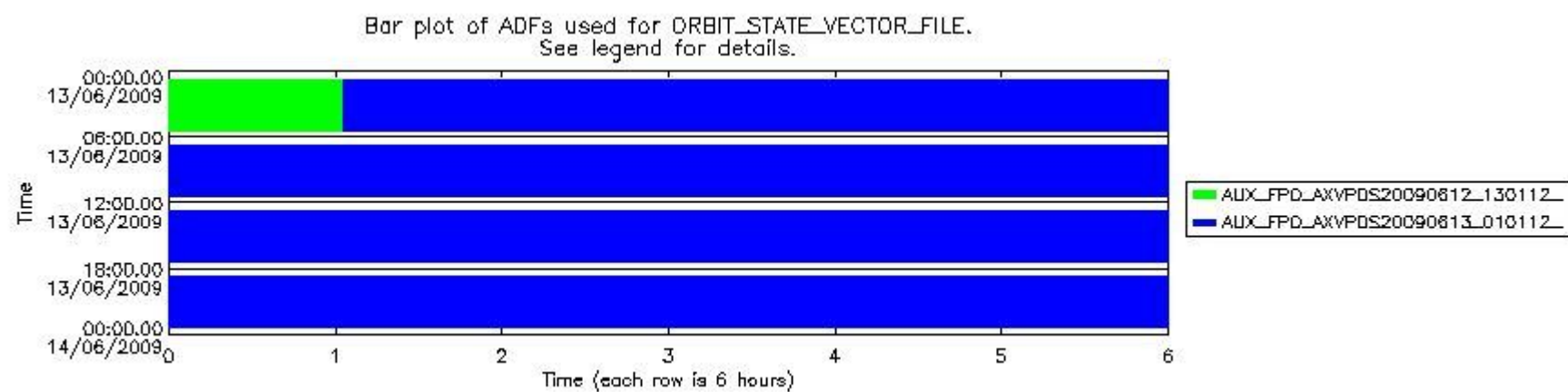
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

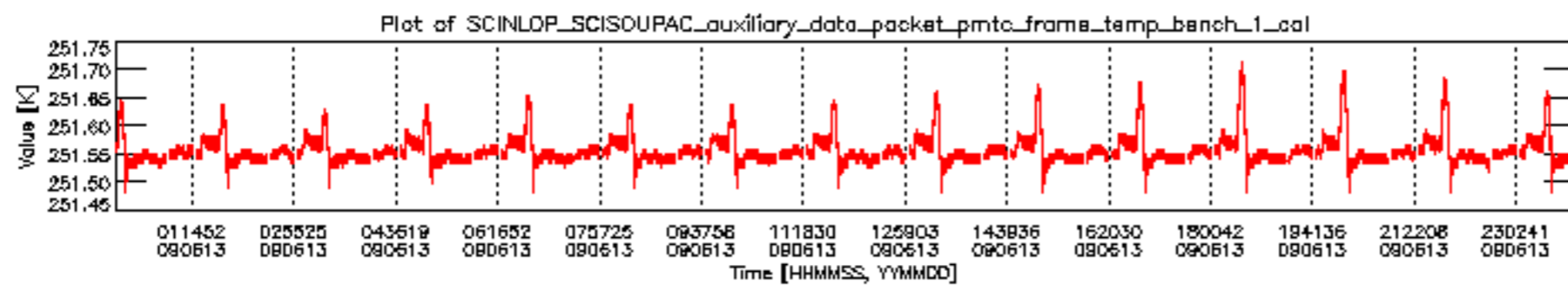
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090612_130112_20090611_190410_20090621_203024
2	AUX_FPO_AXVPDS20090613_010112_20090612_183233_20090622_213923

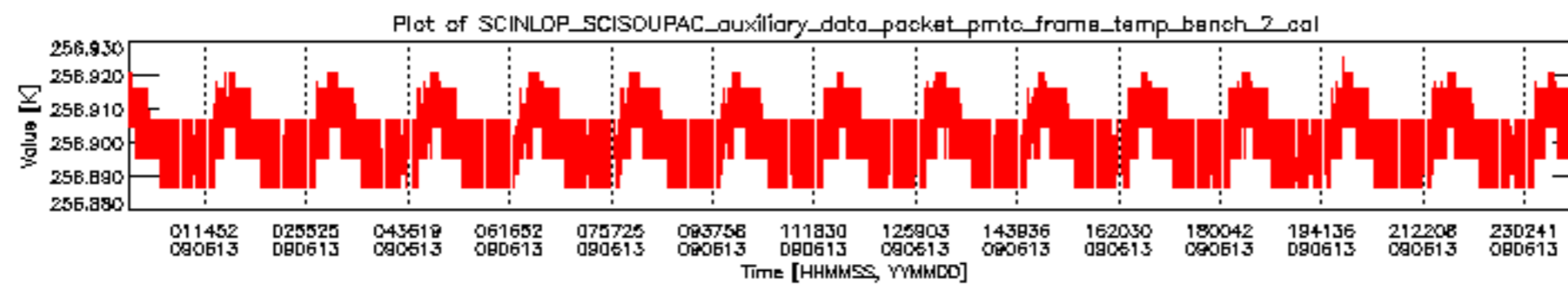


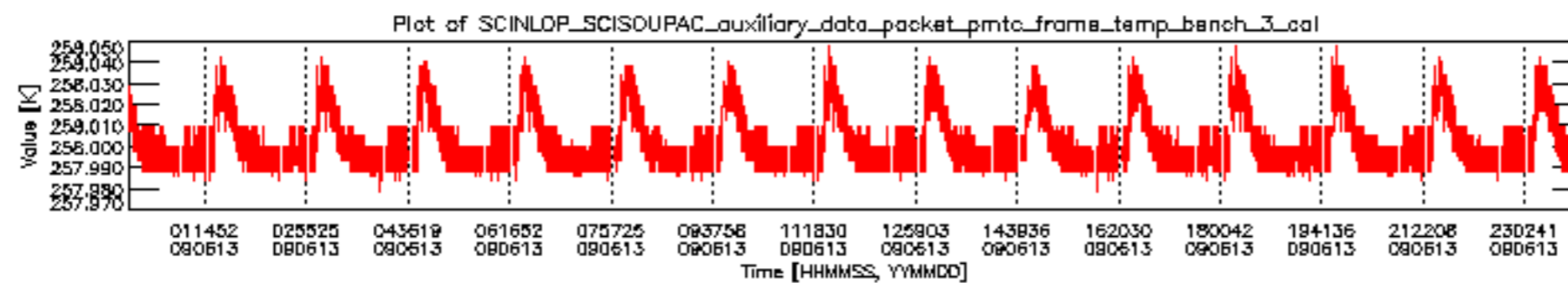
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090613_7.PNG

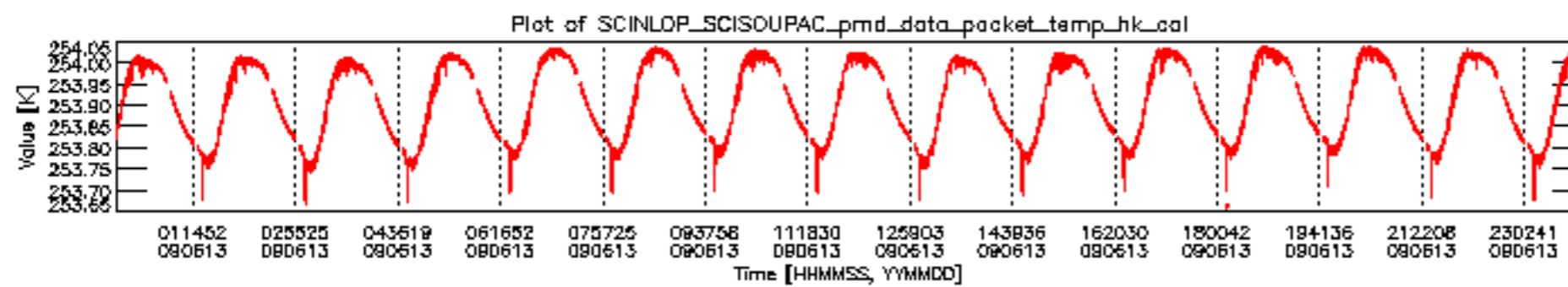


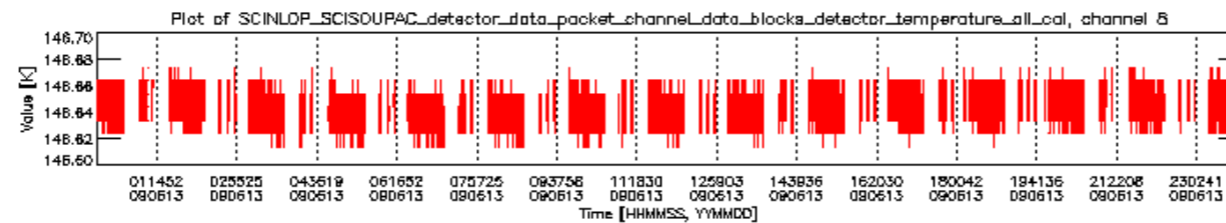
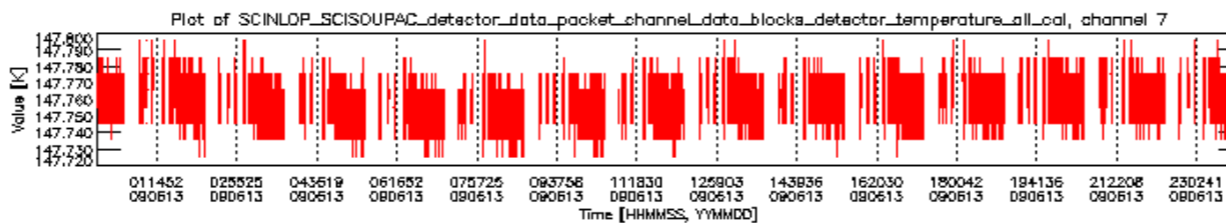
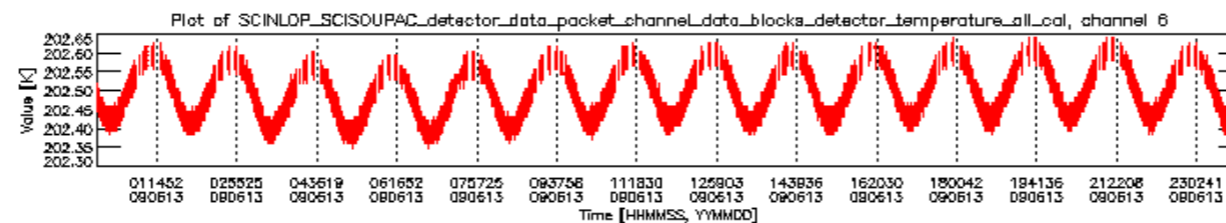
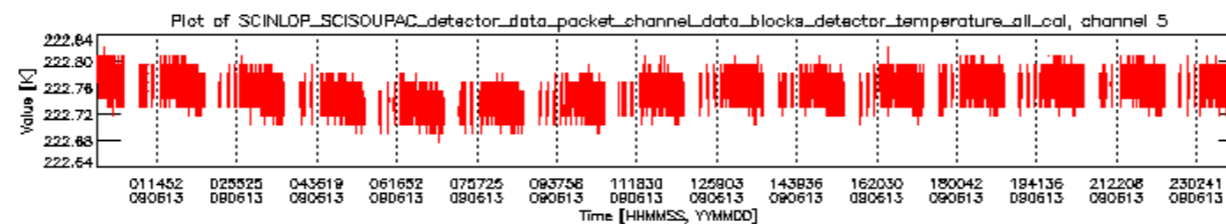
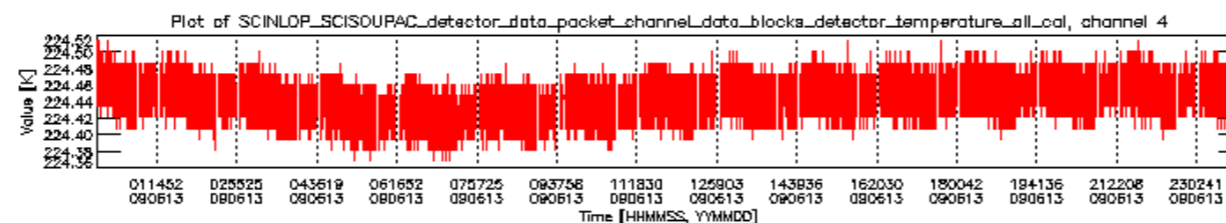
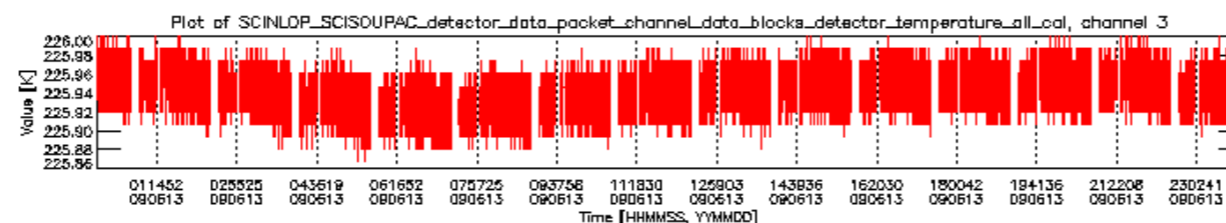
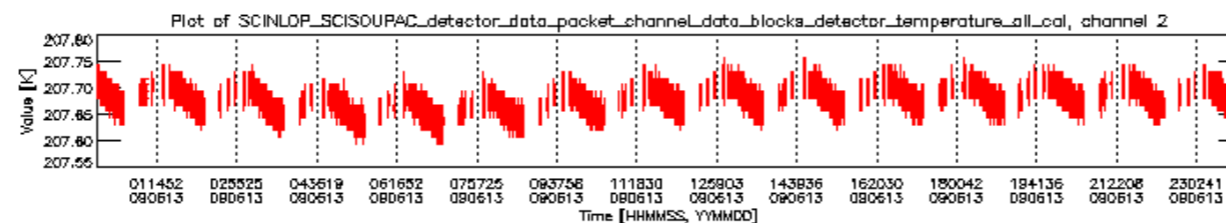
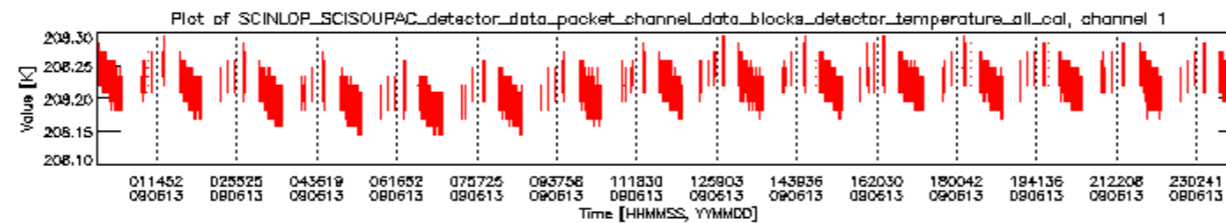
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090613_8.PNG

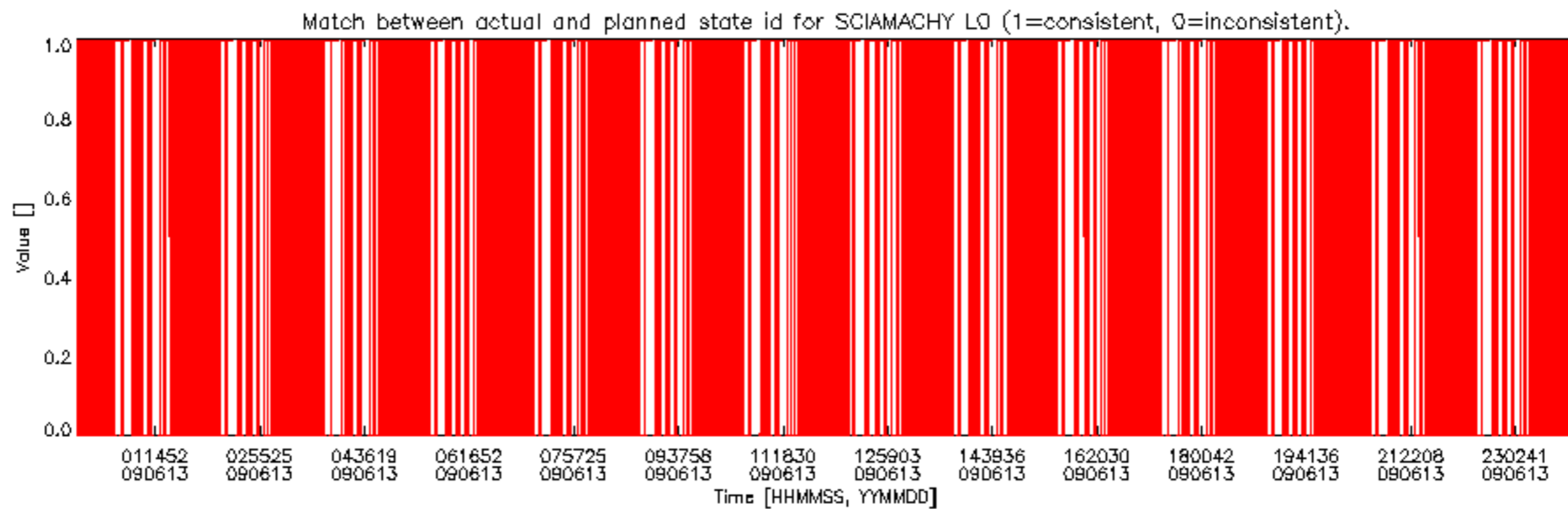
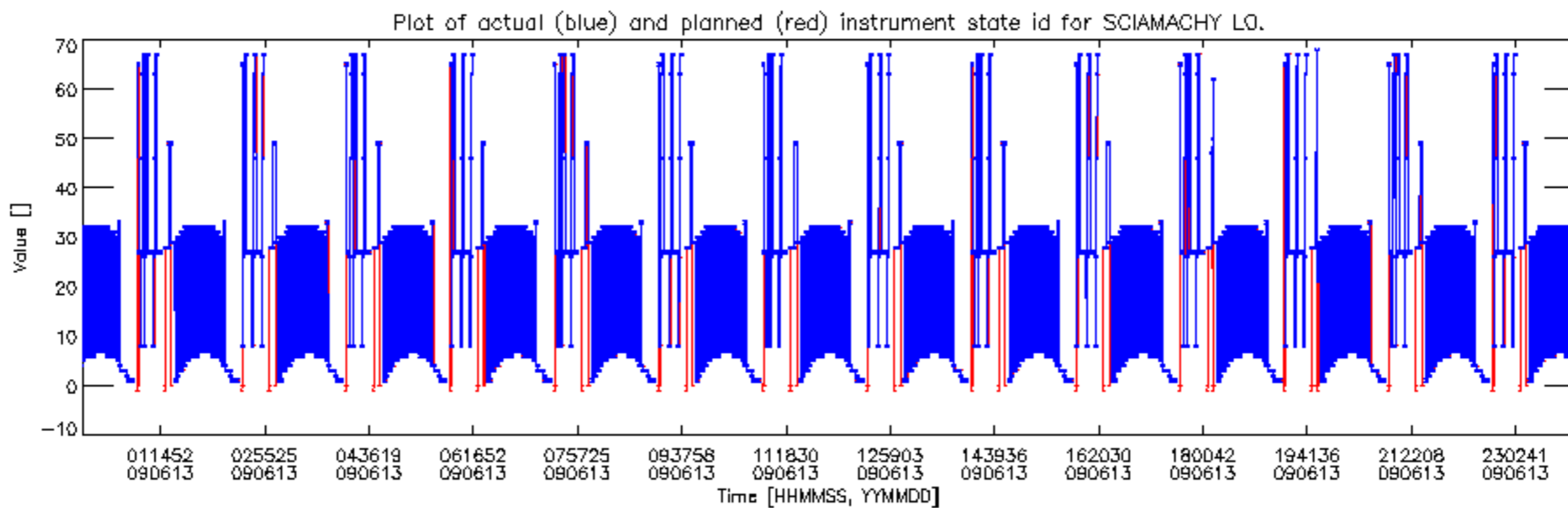












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