

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	10JUN2009 14:57:01
Data source version	KSPT_L0/4303-N
Processing scope for products	06JUN2009 00:00:00 to 07JUN2009 00:00:00
Start time of first product within scope	05JUN2009 23:43:05
Stop time of last product within scope	07JUN2009 00:51:30
Total number of level 0 products	16
Number of level 0 products with errors	0

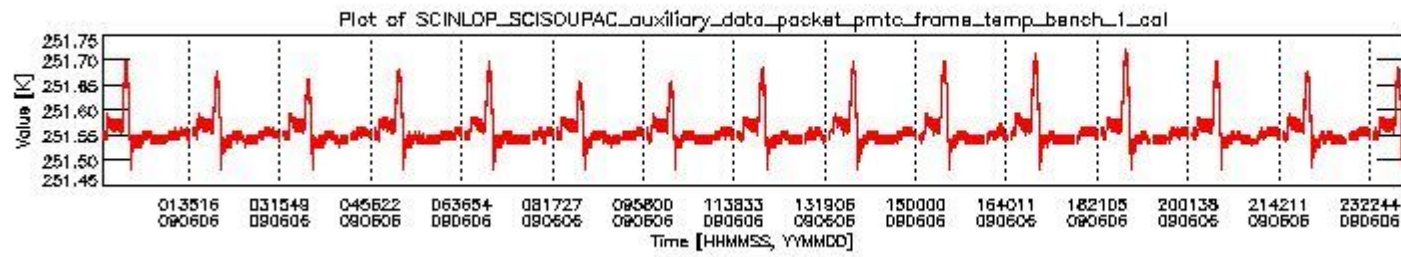
0.1.2 Summary per product

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

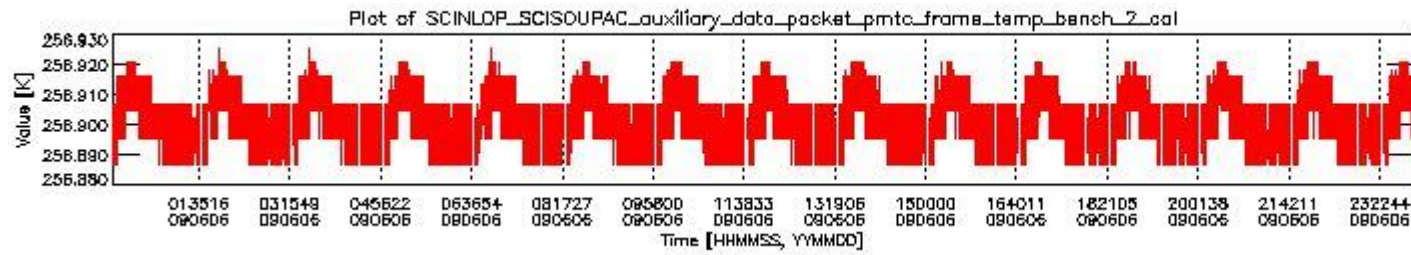
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090605_234305_000059602079_00359_37988_9281.N1	05JUN2009 23:43:05	06JUN2009 01:22:25	0	0	0	0	0
1	SCI_NL__OPNPDE20090606_012141_000047352079_00360_37989_9282.N1	06JUN2009 01:21:41	06JUN2009 02:40:37	0	0	0	0	0
2	SCI_NL__OPNPDE20090606_023928_000058262079_00361_37990_9283.N1	06JUN2009 02:39:28	06JUN2009 04:16:34	0	0	0	0	0
3	SCI_NL__OPNPDE20090606_041634_000060302079_00362_37991_9284.N1	06JUN2009 04:16:34	06JUN2009 05:57:04	0	0	0	0	0
4	SCI_NL__OPNPDK20090606_055704_000041112079_00363_37992_1724.N1	06JUN2009 05:57:04	06JUN2009 07:05:35	0	0	0	0	0
5	SCI_NL__OPNPDK20090606_070535_000061042079_00364_37993_1725.N1	06JUN2009 07:05:35	06JUN2009 08:47:19	0	0	0	0	0
6	SCI_NL__OPNPDK20090606_084719_000059112079_00365_37994_1726.N1	06JUN2009 08:47:19	06JUN2009 10:25:51	0	0	0	0	0
7	SCI_NL__OPNPDK20090606_102442_000060362079_00366_37995_1727.N1	06JUN2009 10:24:42	06JUN2009 12:05:18	0	0	0	0	0
8	SCI_NL__OPNPDK20090606_120422_000060922079_00367_37996_1728.N1	06JUN2009 12:04:22	06JUN2009 13:45:53	0	0	0	0	0
9	SCI_NL__OPNPDK20090606_134458_000058432079_00368_37997_1729.N1	06JUN2009 13:44:58	06JUN2009 15:22:20	0	0	0	0	0
10	SCI_NL__OPNPDK20090606_152220_000059112079_00369_37998_1730.N1	06JUN2009 15:22:20	06JUN2009 17:00:52	0	0	0	0	0
11	SCI_NL__OPNPDK20090606_165956_000058022079_00370_37999_1731.N1	06JUN2009 16:59:56	06JUN2009 18:36:38	0	0	0	0	0
12	SCI_NL__OPNPDK20090606_183529_000062292079_00371_38000_1733.N1	06JUN2009 18:35:29	06JUN2009 20:19:18	0	0	0	0	0
13	SCI_NL__OPNPDE20090606_201714_000042972079_00372_38001_9285.N1	06JUN2009 20:17:14	06JUN2009 21:28:51	0	0	0	0	0
14	SCI_NL__OPNPDE20090606_212807_000061992079_00372_38001_9286.N1	06JUN2009 21:28:07	06JUN2009 23:11:26	0	0	0	0	0
15	SCI_NL__OPNPDE20090606_230919_000061322079_00373_38002_9287.N1	06JUN2009 23:09:19	07JUN2009 00:51:30	0	0	0	0	0

0.2 Product Quality Indicators

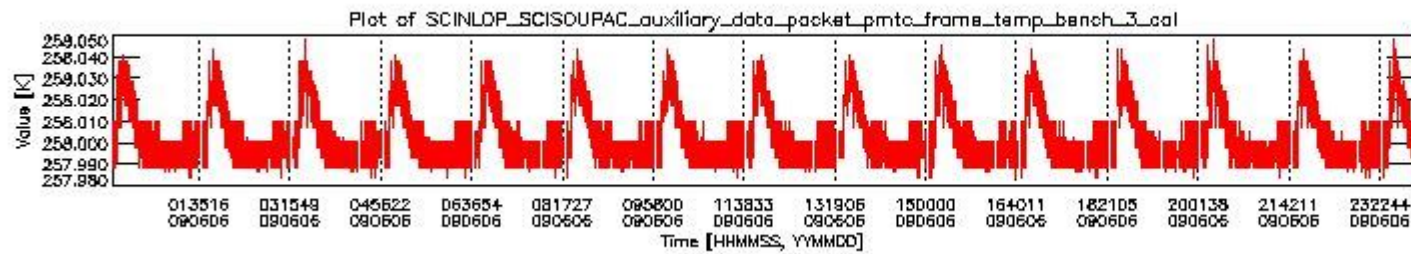
This section shows information about product quality, currently temperatures.



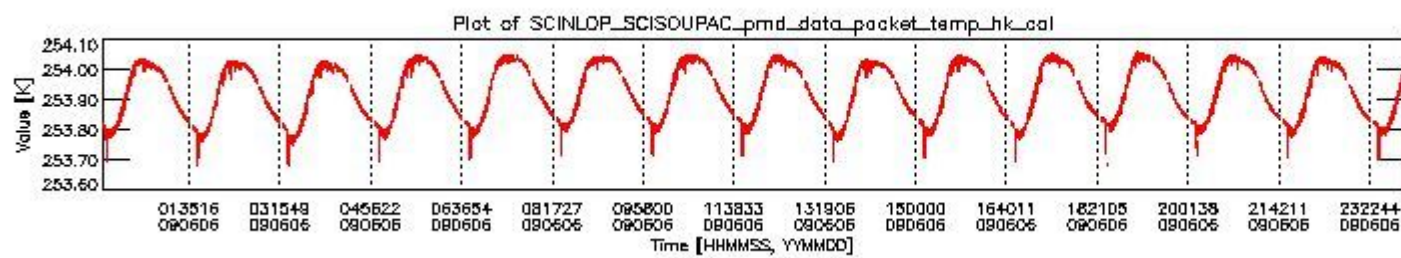
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090606_0.PNG



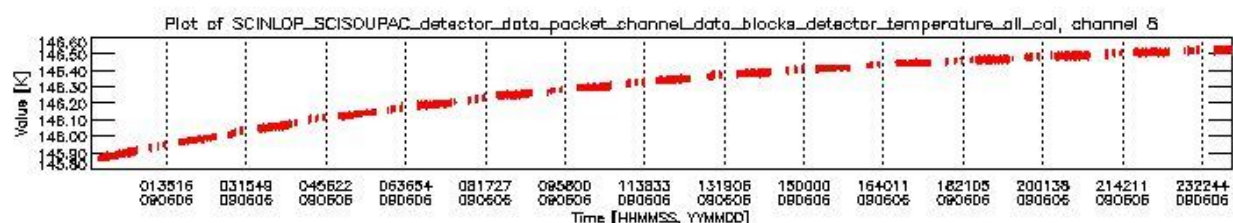
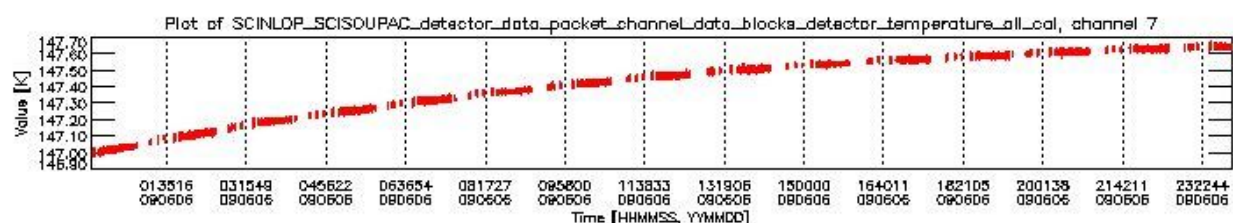
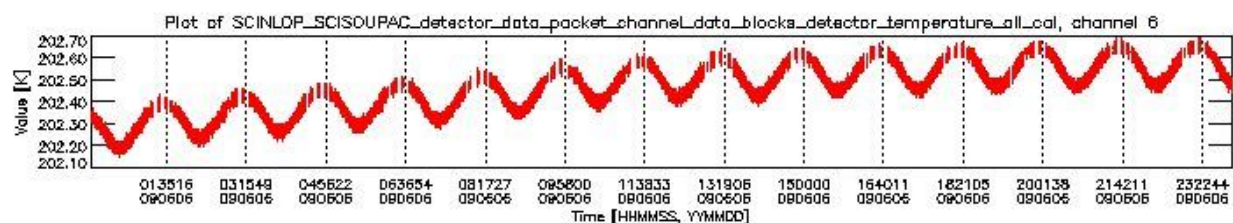
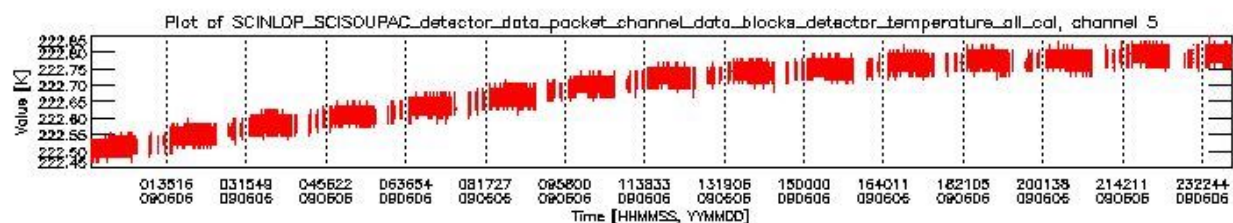
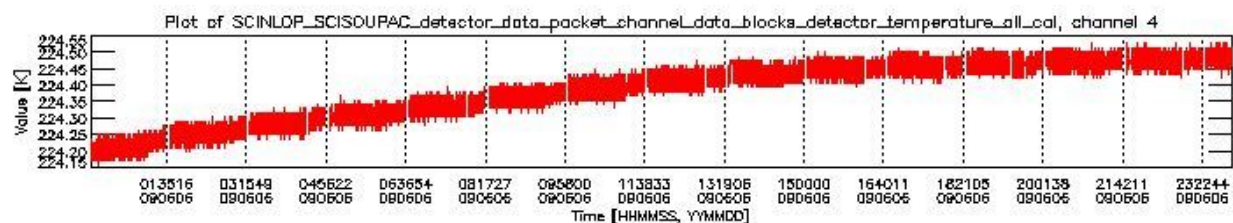
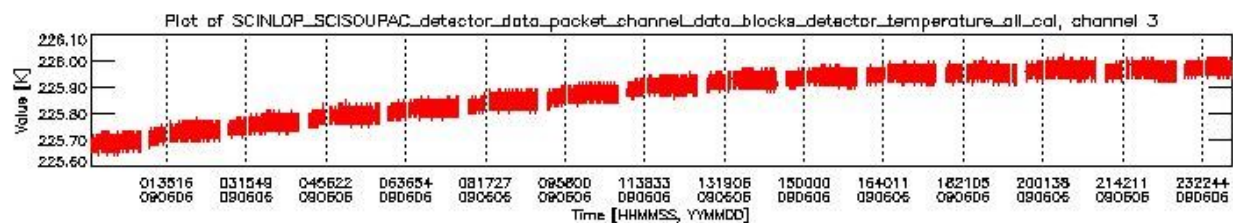
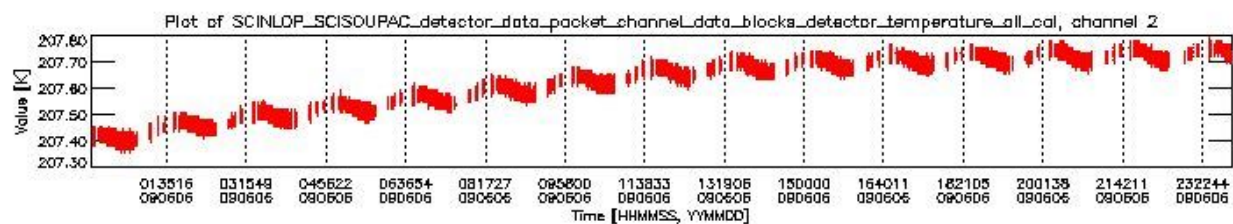
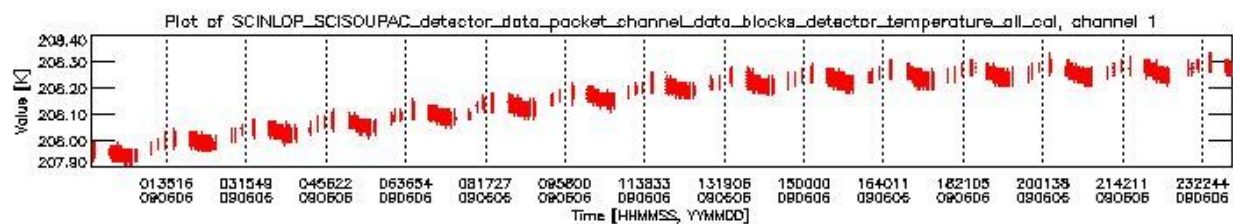
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090606_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090606_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090606_3.PNG

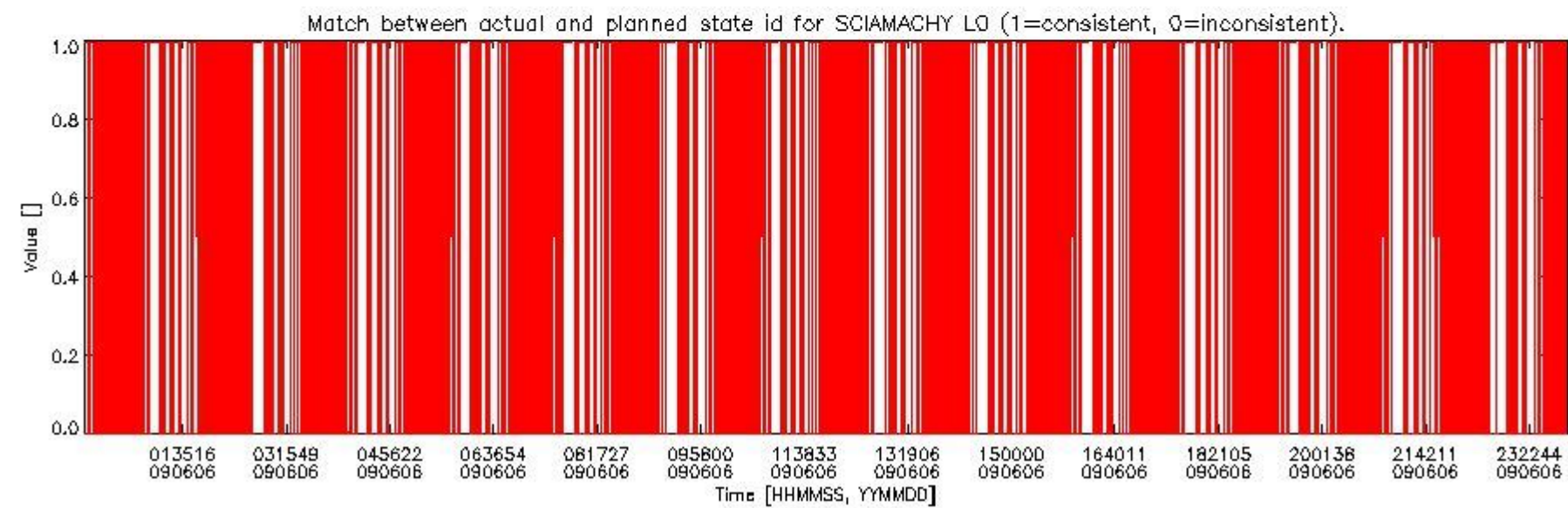
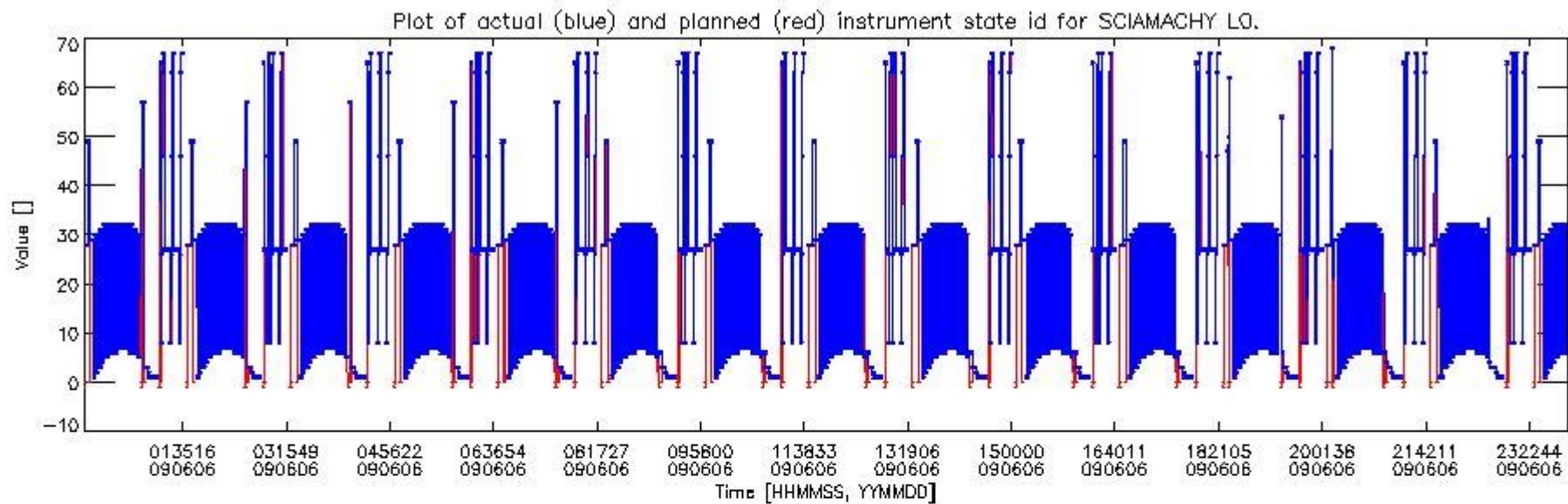


0.3 State monitoring

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: **36905**

#	Actual time	Actual value	Planned time	Planned value
0	06JUN2009 00:02:39.683745	49	06JUN2009 00:02:39.683745	28
1	06JUN2009 00:02:39.871231	49	06JUN2009 00:02:39.871231	28
2	06JUN2009 00:02:39.933713	49	06JUN2009 00:02:39.933713	28
3	06JUN2009 00:02:39.996235	49	06JUN2009 00:02:39.996235	28
4	06JUN2009 00:02:40.058717	49	06JUN2009 00:02:40.058717	28
5	06JUN2009 00:02:40.121240	49	06JUN2009 00:02:40.121240	28
6	06JUN2009 00:02:40.183722	49	06JUN2009 00:02:40.183722	28
7	06JUN2009 00:02:40.246244	49	06JUN2009 00:02:40.246244	28
8	06JUN2009 00:02:40.308726	49	06JUN2009 00:02:40.308726	28
9	06JUN2009 00:02:40.371248	49	06JUN2009 00:02:40.371248	28
10	06JUN2009 00:02:40.433730	49	06JUN2009 00:02:40.433730	28
11	06JUN2009 00:02:40.496213	49	06JUN2009 00:02:40.496213	28
12	06JUN2009 00:02:40.558735	49	06JUN2009 00:02:40.558735	28
13	06JUN2009 00:02:40.621217	49	06JUN2009 00:02:40.621217	28
14	06JUN2009 00:02:40.683739	49	06JUN2009 00:02:40.683739	28
15	06JUN2009 00:02:40.746221	49	06JUN2009 00:02:40.746221	28
16	06JUN2009 00:02:40.808744	49	06JUN2009 00:02:40.808744	28
17	06JUN2009 00:02:40.871226	49	06JUN2009 00:02:40.871226	28
18	06JUN2009 00:02:40.933748	49	06JUN2009 00:02:40.933748	28
19	06JUN2009 00:02:40.996230	49	06JUN2009 00:02:40.996230	28

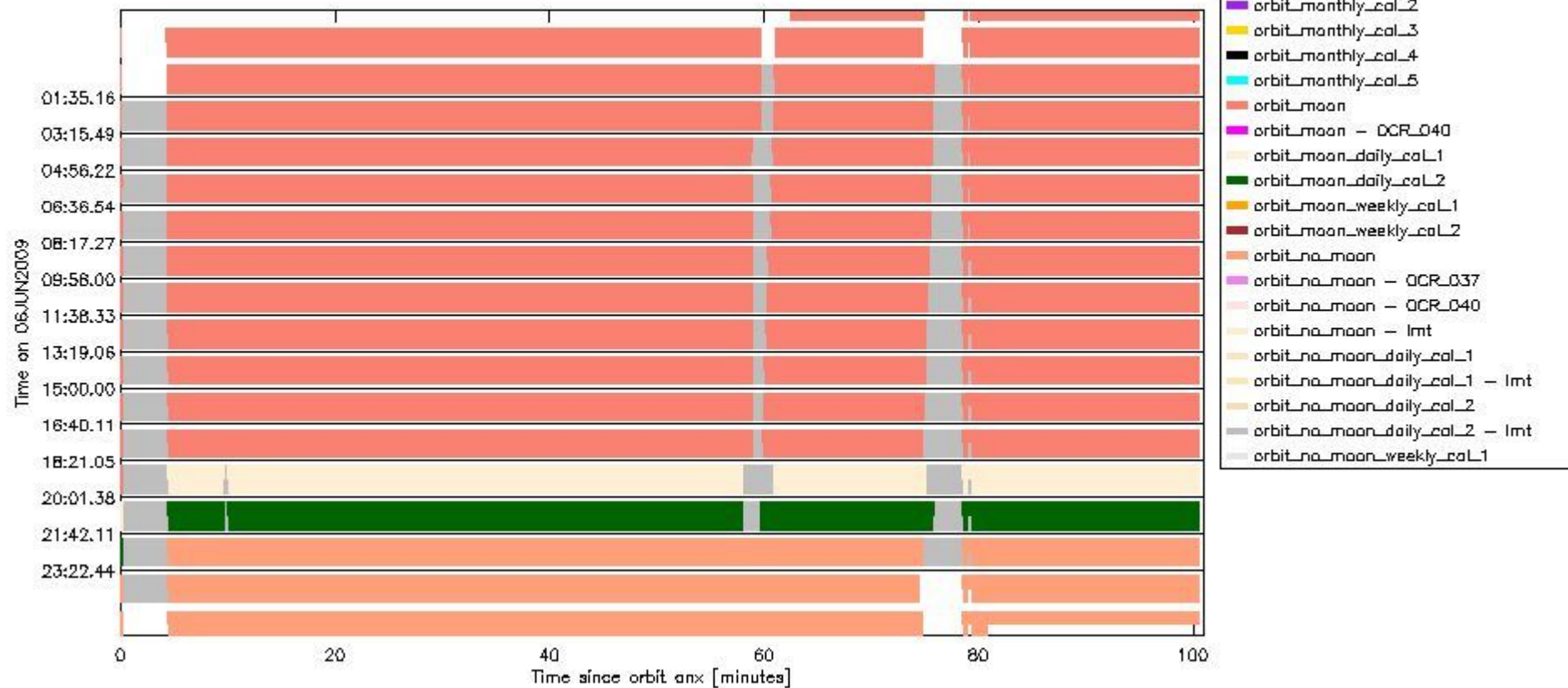


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090606_5.PNG

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 06JUN2009.
 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_20090606_6.PNG

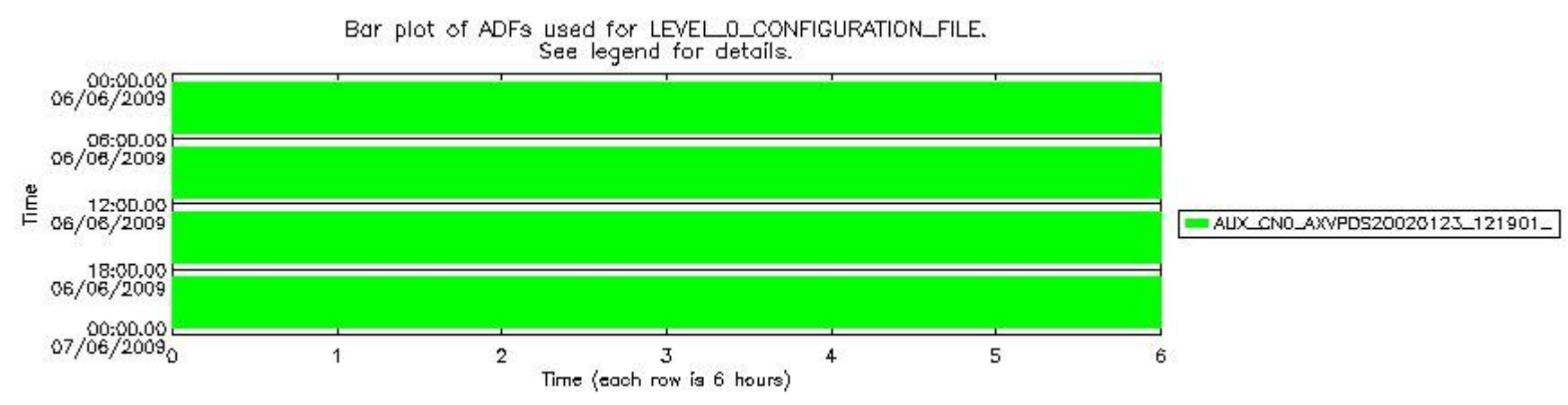
0.4 ADF monitoring

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

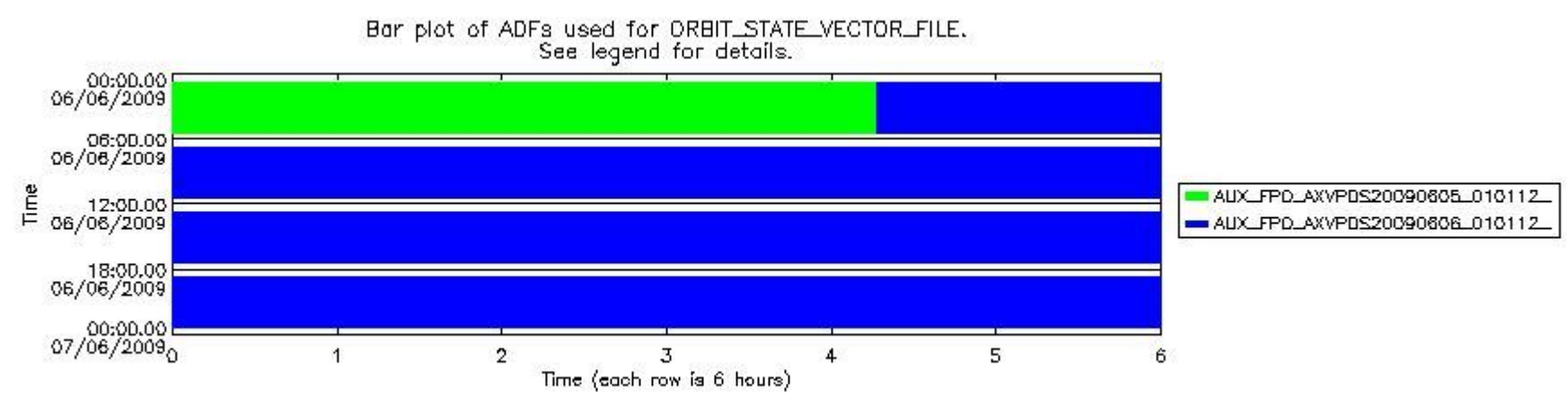
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

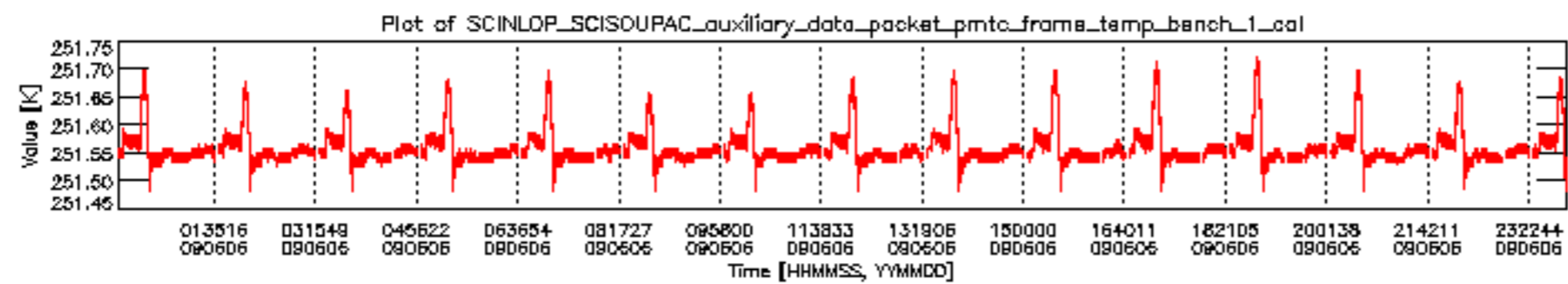
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090605_010112_20090604_192417_20090614_205031
2	AUX_FPO_AXVPDS20090606_010112_20090605_185240_20090615_201854

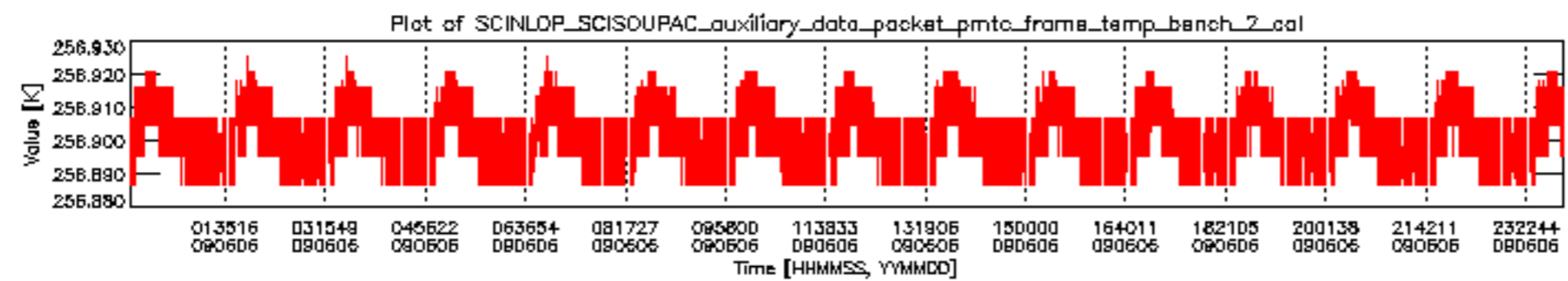


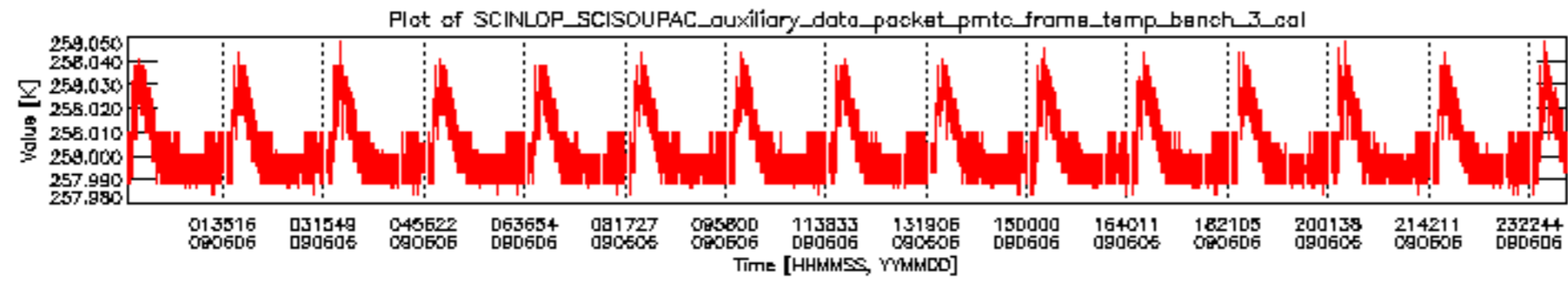
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090606_7.PNG

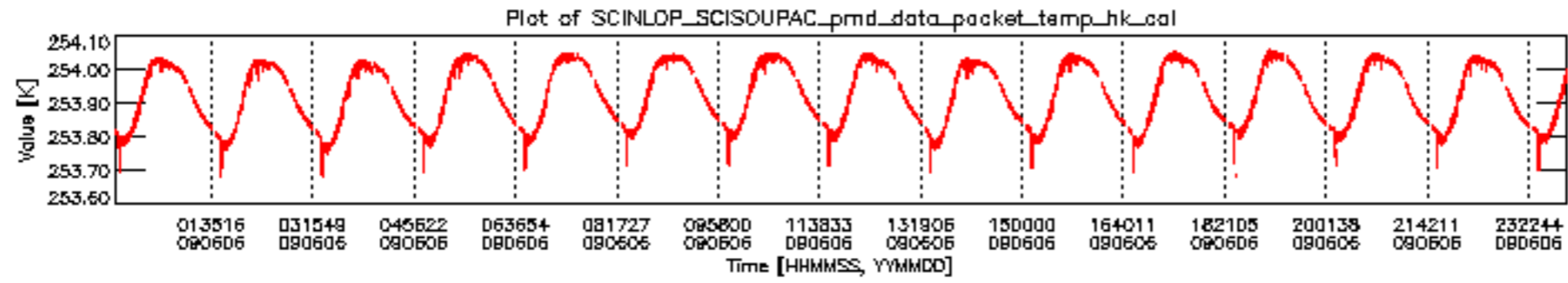


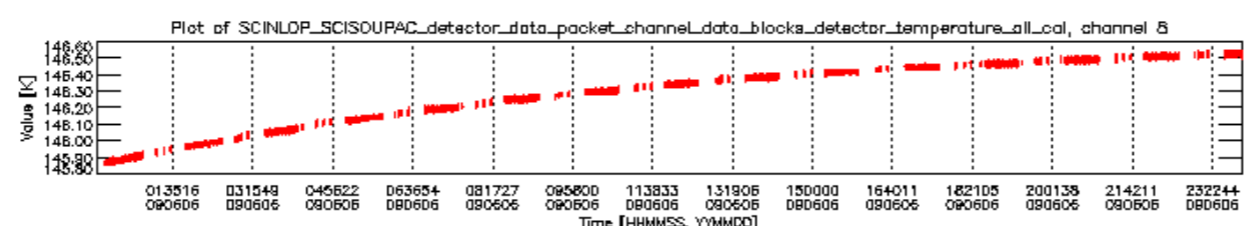
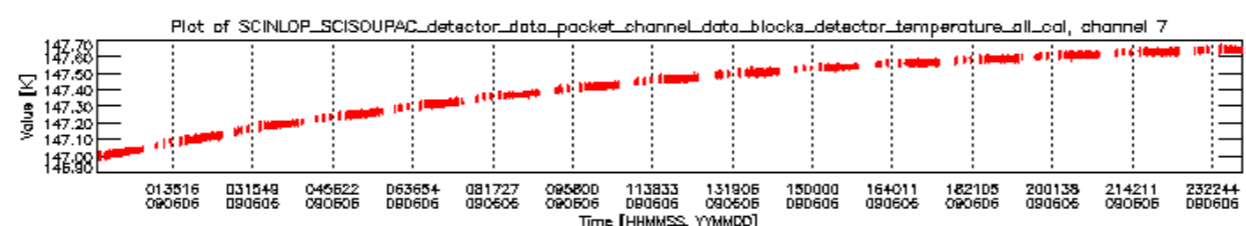
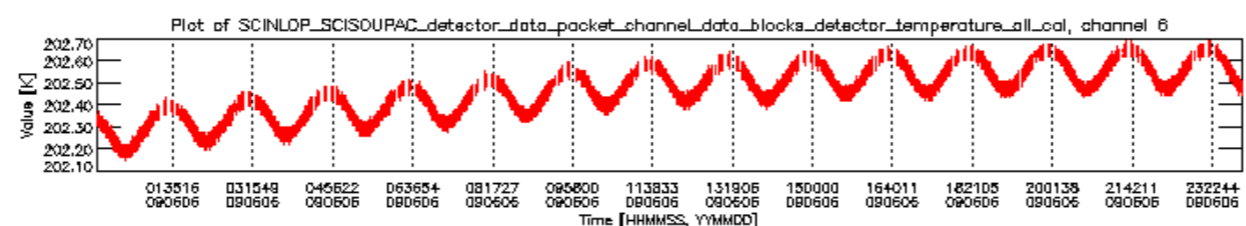
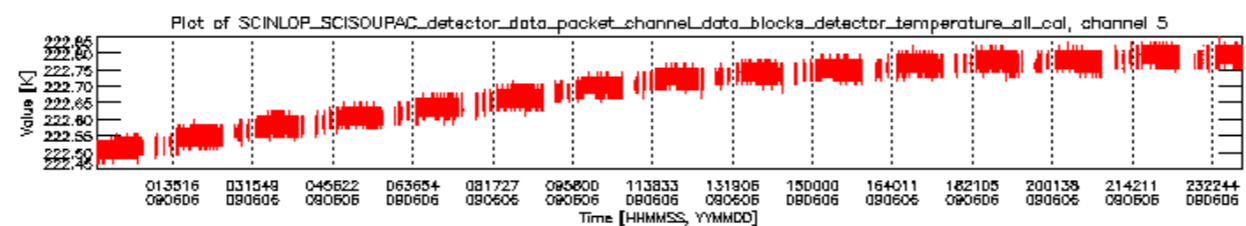
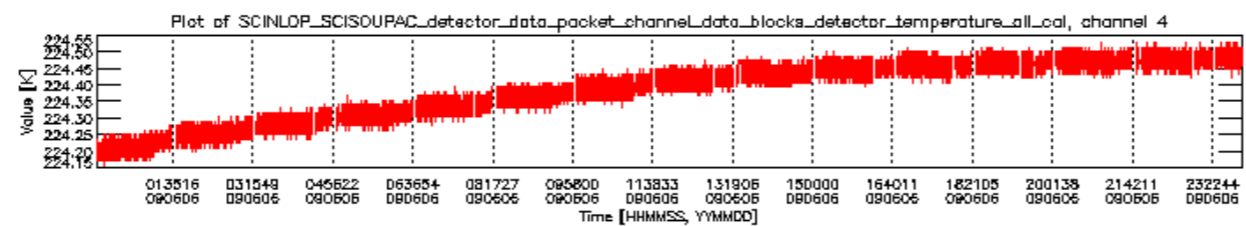
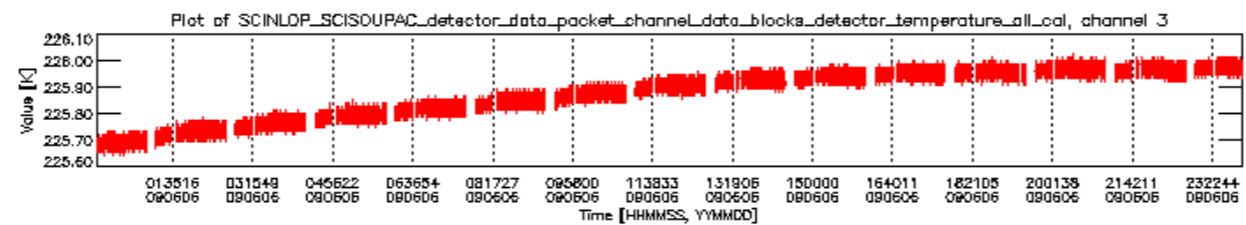
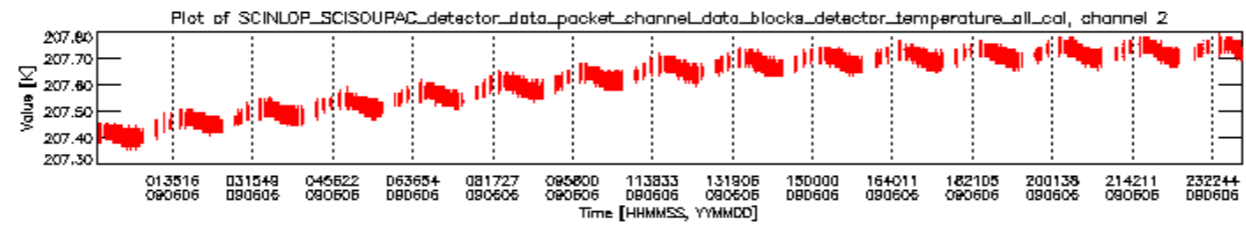
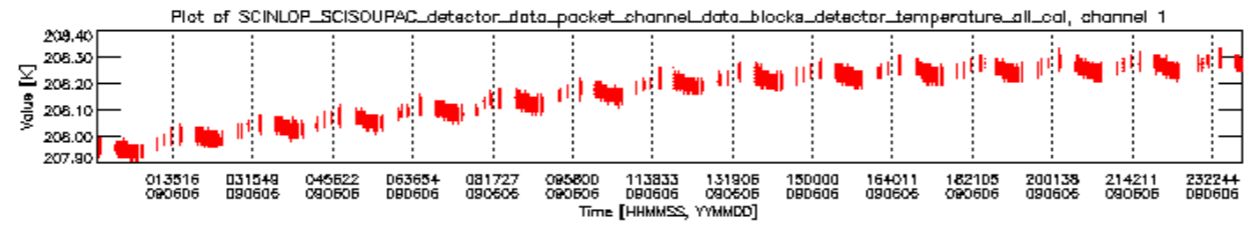
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090606_8.PNG

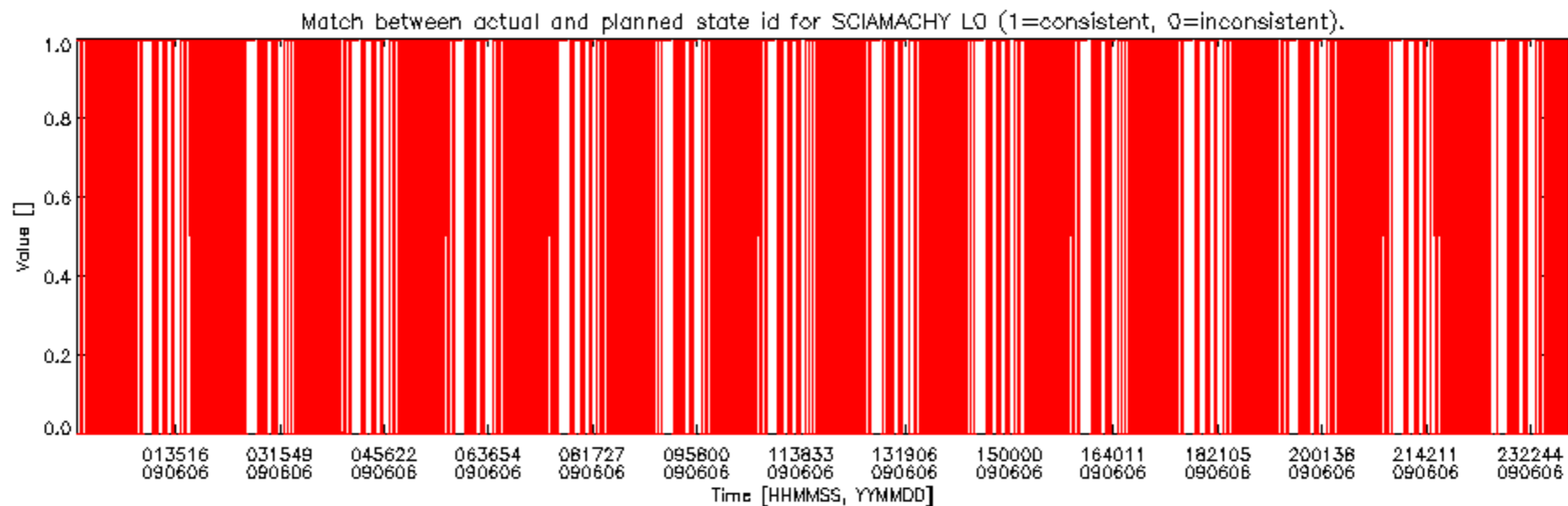
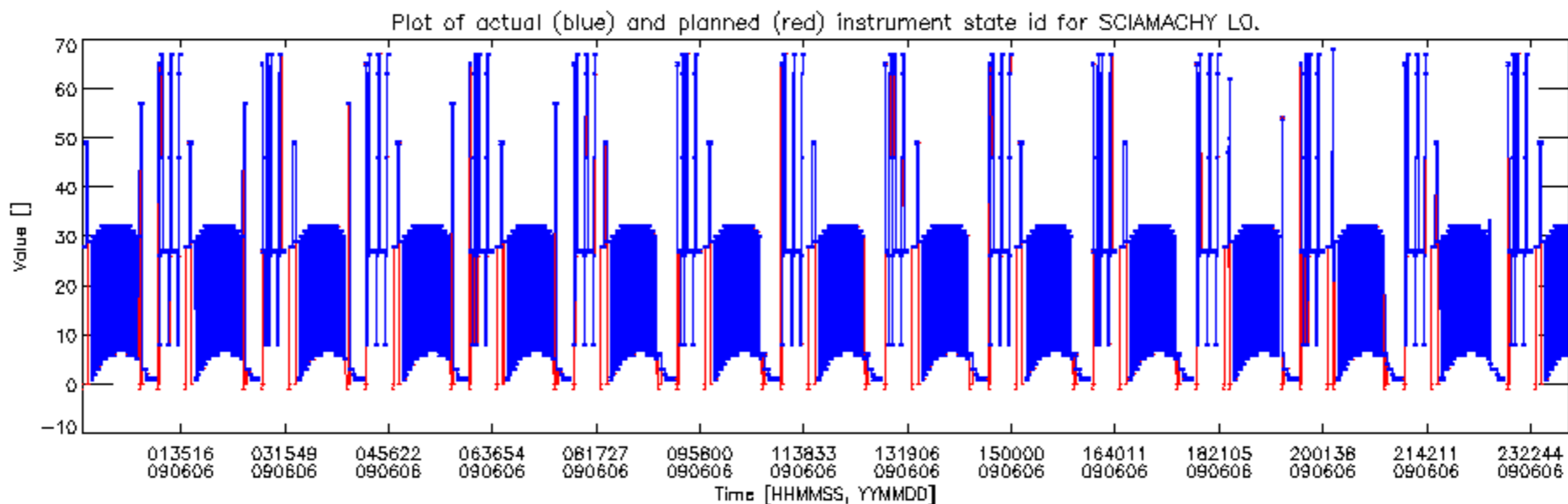












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