

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	26JUN2008 05:31:18
Data source version	KSPT_L0/4303-N
Processing scope for products	22JUN2008 00:00:00 to 23JUN2008 00:00:00
Start time of first product within scope	21JUN2008 23:10:29
Stop time of last product within scope	23JUN2008 00:21:44
Total number of level 0 products	15
Number of level 0 products with errors	1

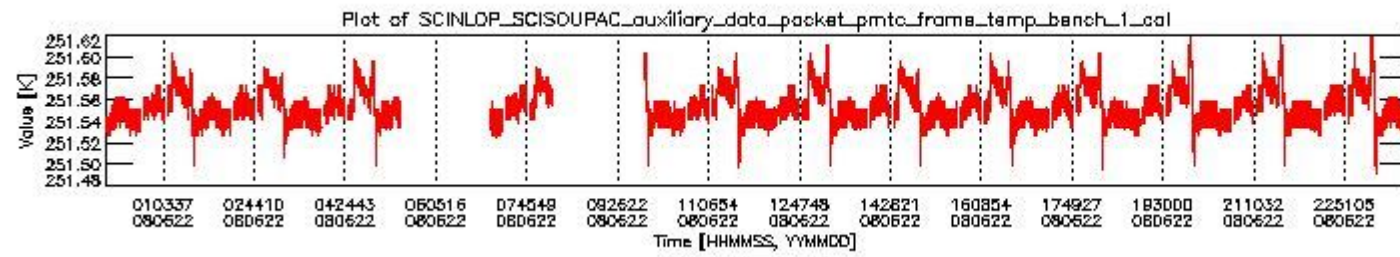
0.1.2 Summary per product

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

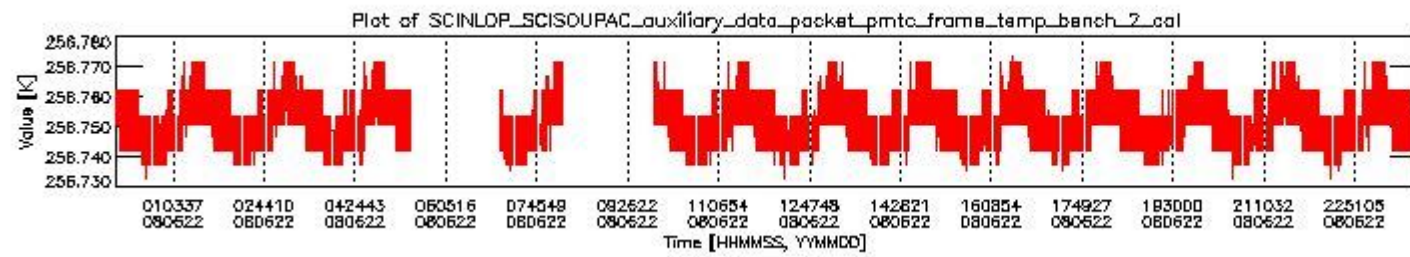
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080621_231029_000061732069_00373_32992_7018.N1	21JUN2008 23:10:29	22JUN2008 00:53:21	0	0	0	0	0
1	SCI_NL__OPNPDE20080622_005234_000044982069_00374_32993_7019.N1	22JUN2008 00:52:34	22JUN2008 02:07:32	0	0	0	0	0
2	SCI_NL__OPNPDE20080622_020732_000058302069_00375_32994_7020.N1	22JUN2008 02:07:32	22JUN2008 03:44:42	0	0	0	0	0
3	SCI_NL__OPNPDE20080622_034442_000060362069_00376_32995_7021.N1	22JUN2008 03:44:42	22JUN2008 05:25:18	0	0	0	0	0
4	SCI_NL__OPNPDK20080622_070446_000041142069_00378_32997_8568.N1	22JUN2008 07:04:46	22JUN2008 08:13:19	0	0	0	0	0
5	SCI_NL__OPNPDK20080622_081224_000062162069_00379_32998_8569.N1	22JUN2008 08:12:24	22JUN2008 09:56:00	1	1	0	0	0
6	SCI_NL__OPNPDK20080622_095451_000059802069_00380_32999_8570.N1	22JUN2008 09:54:51	22JUN2008 11:34:31	0	0	0	0	0
7	SCI_NL__OPNPDK20080622_113335_000060232069_00381_33000_8571.N1	22JUN2008 11:33:35	22JUN2008 13:13:58	0	0	0	0	0
8	SCI_NL__OPNPDK20080622_131358_000059242069_00382_33001_8572.N1	22JUN2008 13:13:58	22JUN2008 14:52:43	0	0	0	0	0
9	SCI_NL__OPNPDK20080622_145243_000058432069_00383_33002_8573.N1	22JUN2008 14:52:43	22JUN2008 16:30:06	0	0	0	0	0
10	SCI_NL__OPNPDK20080622_162857_000057742069_00384_33003_8574.N1	22JUN2008 16:28:57	22JUN2008 18:05:11	0	0	0	0	0
11	SCI_NL__OPNPDK20080622_180416_000061882069_00385_33004_8575.N1	22JUN2008 18:04:16	22JUN2008 19:47:24	0	0	0	0	0
12	SCI_NL__OPNPDE20080622_194615_000040692069_00386_33005_7023.N1	22JUN2008 19:46:15	22JUN2008 20:54:04	0	0	0	0	0
13	SCI_NL__OPNPDE20080622_205320_000063322069_00386_33005_7024.N1	22JUN2008 20:53:20	22JUN2008 22:38:52	0	0	0	0	0
14	SCI_NL__OPNPDE20080622_223728_000062562069_00387_33006_7025.N1	22JUN2008 22:37:28	23JUN2008 00:21:44	0	0	0	0	0

0.2 Product Quality Indicators

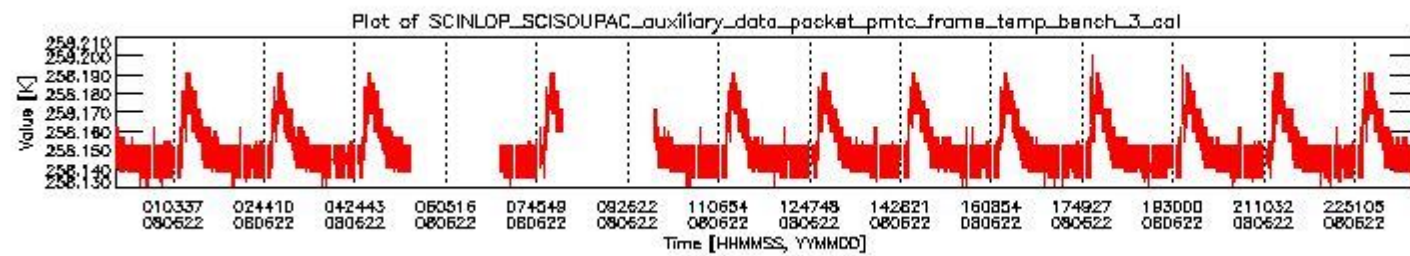
This section shows information about product quality, currently temperatures.



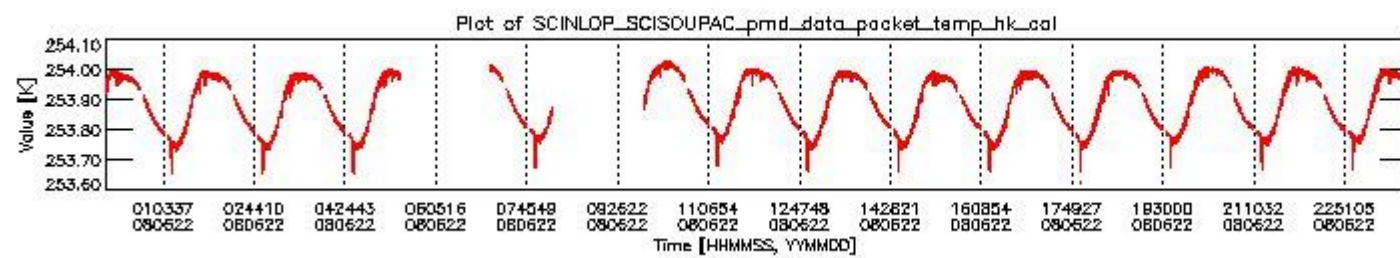
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080622_0.PNG



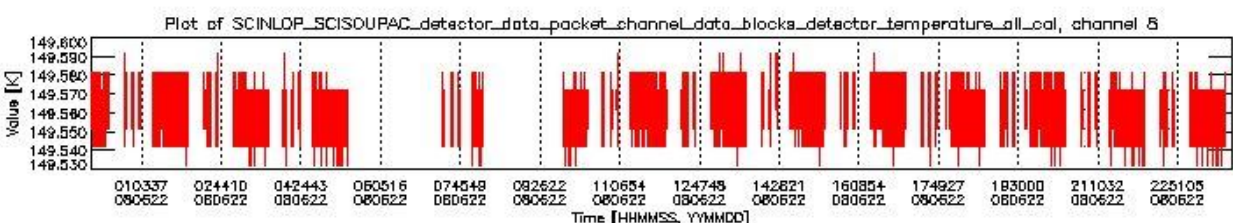
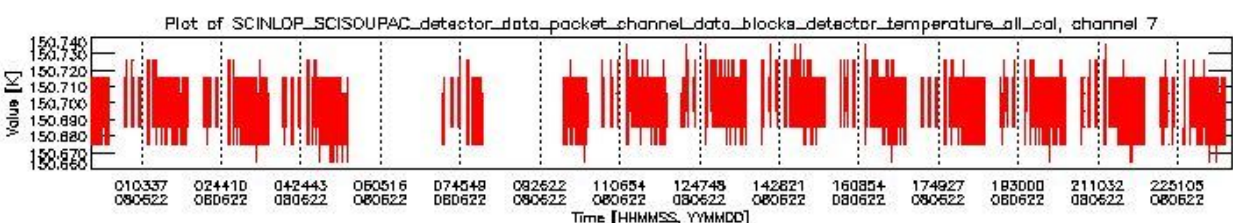
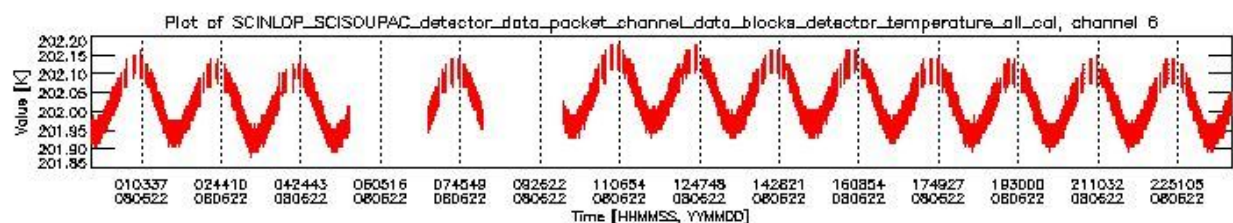
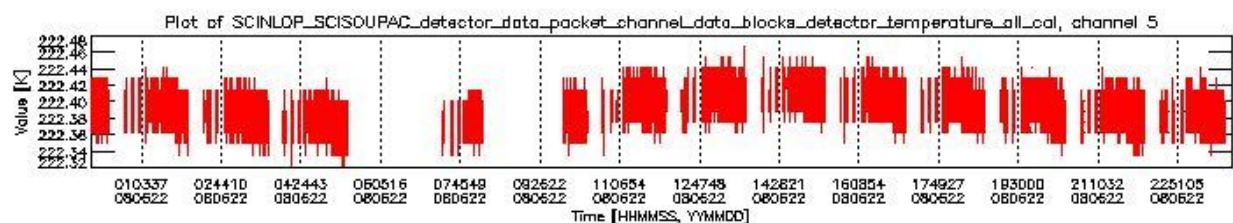
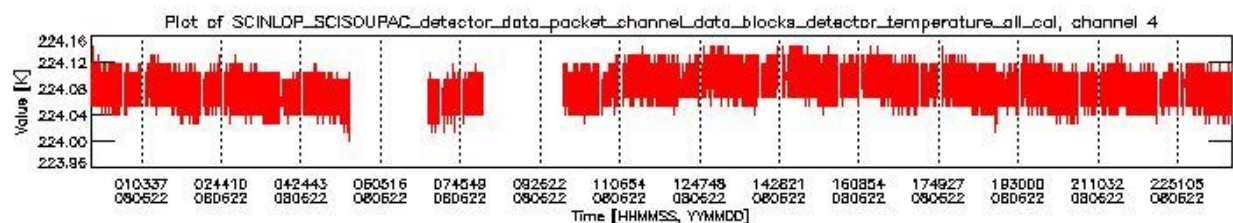
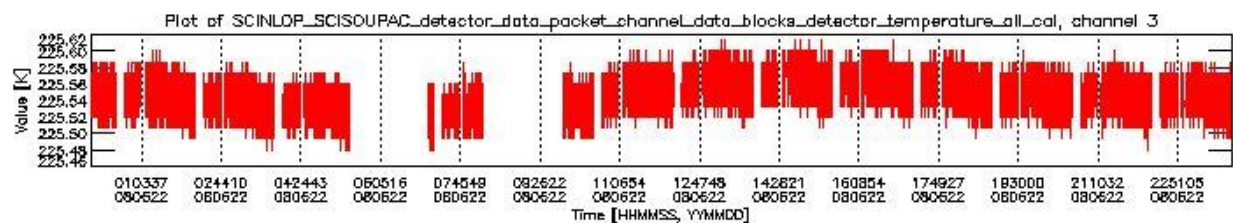
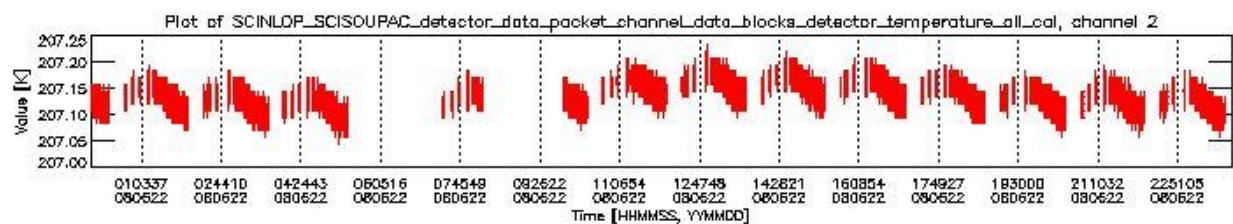
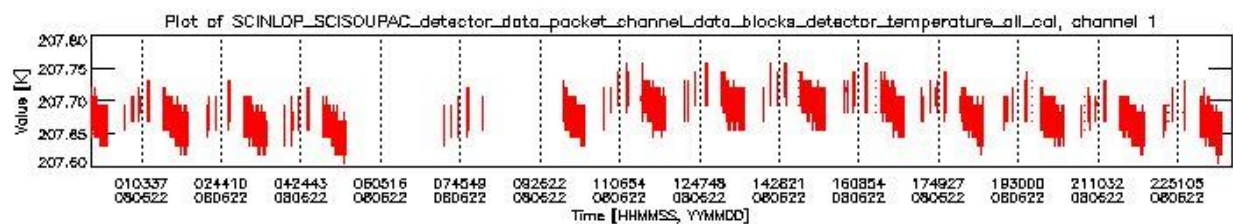
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080622_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080622_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080622_3.PNG

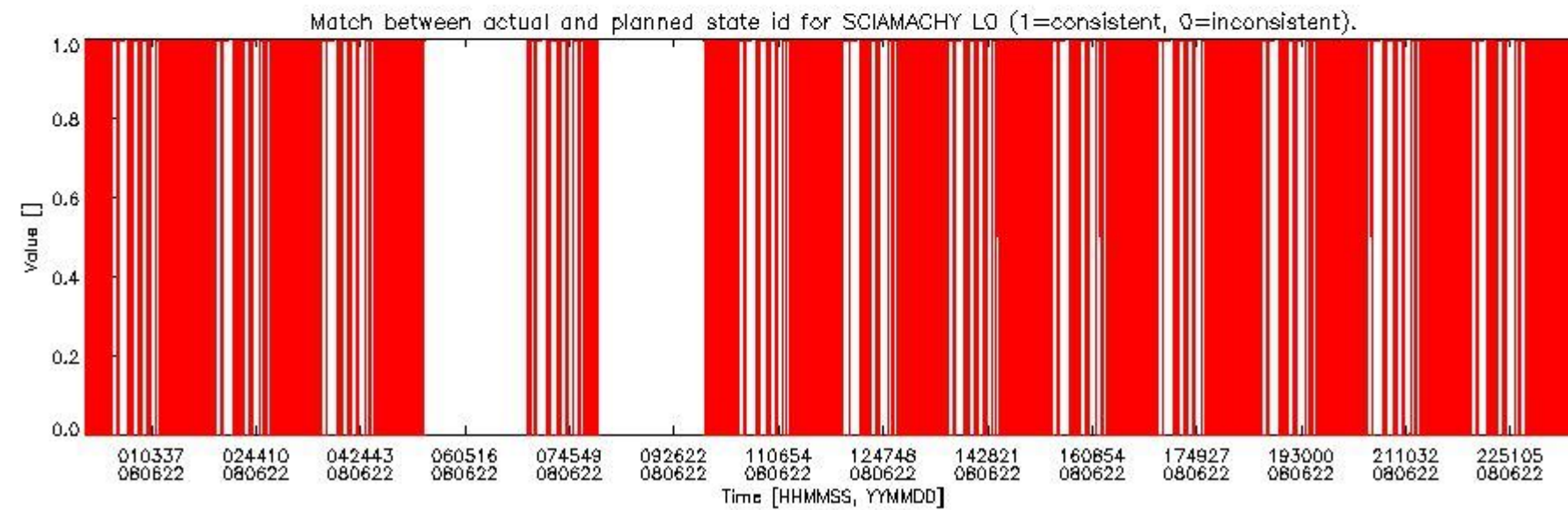
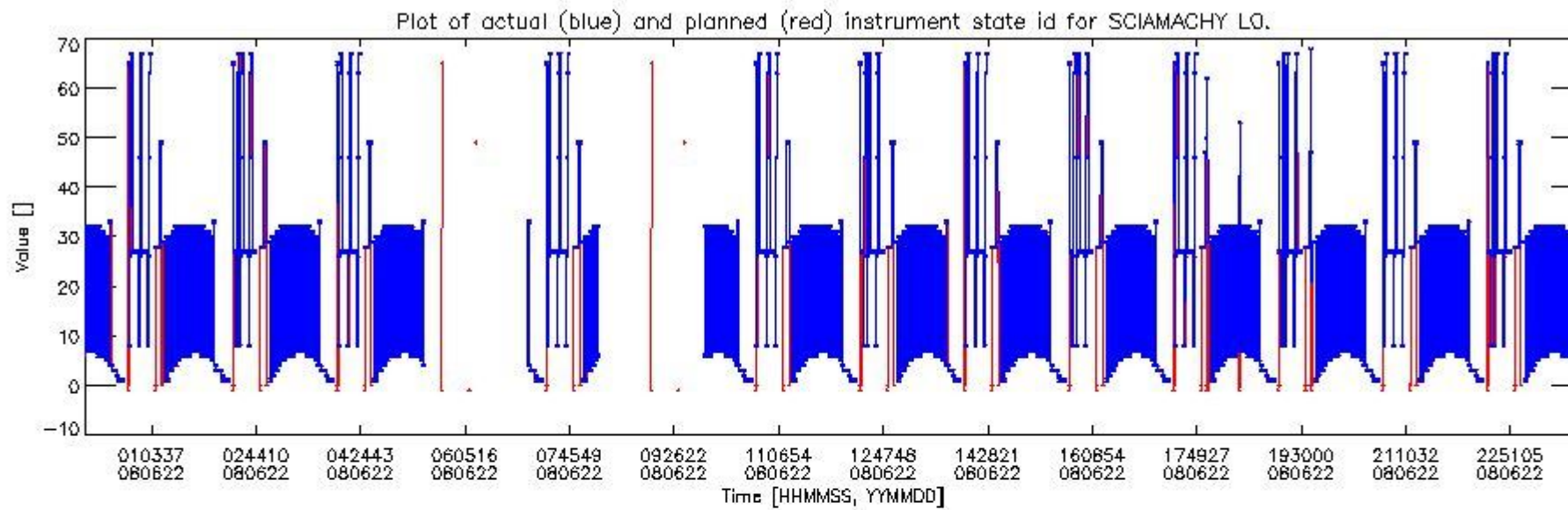


0.3 State monitoring

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: **28163**

#	Actual time	Actual value	Planned time	Planned value
0	22JUN2008 00:00:42.496571	32	22JUN2008 00:00:42.496571	7
1	22JUN2008 00:00:43.121593	32	22JUN2008 00:00:43.121593	7
2	22JUN2008 00:00:43.496566	32	22JUN2008 00:00:43.496566	7
3	22JUN2008 00:00:43.871579	32	22JUN2008 00:00:43.871579	7
4	22JUN2008 00:00:44.434078	32	22JUN2008 00:00:44.434078	7
5	22JUN2008 00:00:44.809091	32	22JUN2008 00:00:44.809091	7
6	22JUN2008 00:00:45.184064	32	22JUN2008 00:00:45.184064	7
7	22JUN2008 00:00:45.559077	32	22JUN2008 00:00:45.559077	7
8	22JUN2008 00:00:46.121576	32	22JUN2008 00:00:46.121576	7
9	22JUN2008 00:00:46.496589	32	22JUN2008 00:00:46.496589	7
10	22JUN2008 00:00:46.871562	32	22JUN2008 00:00:46.871562	7
11	22JUN2008 00:00:47.246575	32	22JUN2008 00:00:47.246575	7
12	22JUN2008 00:00:47.496584	32	22JUN2008 00:00:47.496584	7
13	22JUN2008 00:00:47.809075	32	22JUN2008 00:00:47.809075	7
14	22JUN2008 00:00:48.184088	32	22JUN2008 00:00:48.184088	7
15	22JUN2008 00:00:48.559061	32	22JUN2008 00:00:48.559061	7
16	22JUN2008 00:00:48.934074	32	22JUN2008 00:00:48.934074	7
17	22JUN2008 00:00:49.496573	32	22JUN2008 00:00:49.496573	7
18	22JUN2008 00:01:38.367682	7	22JUN2008 00:01:38.367682	32
19	22JUN2008 00:01:38.742695	7	22JUN2008 00:01:38.742695	32

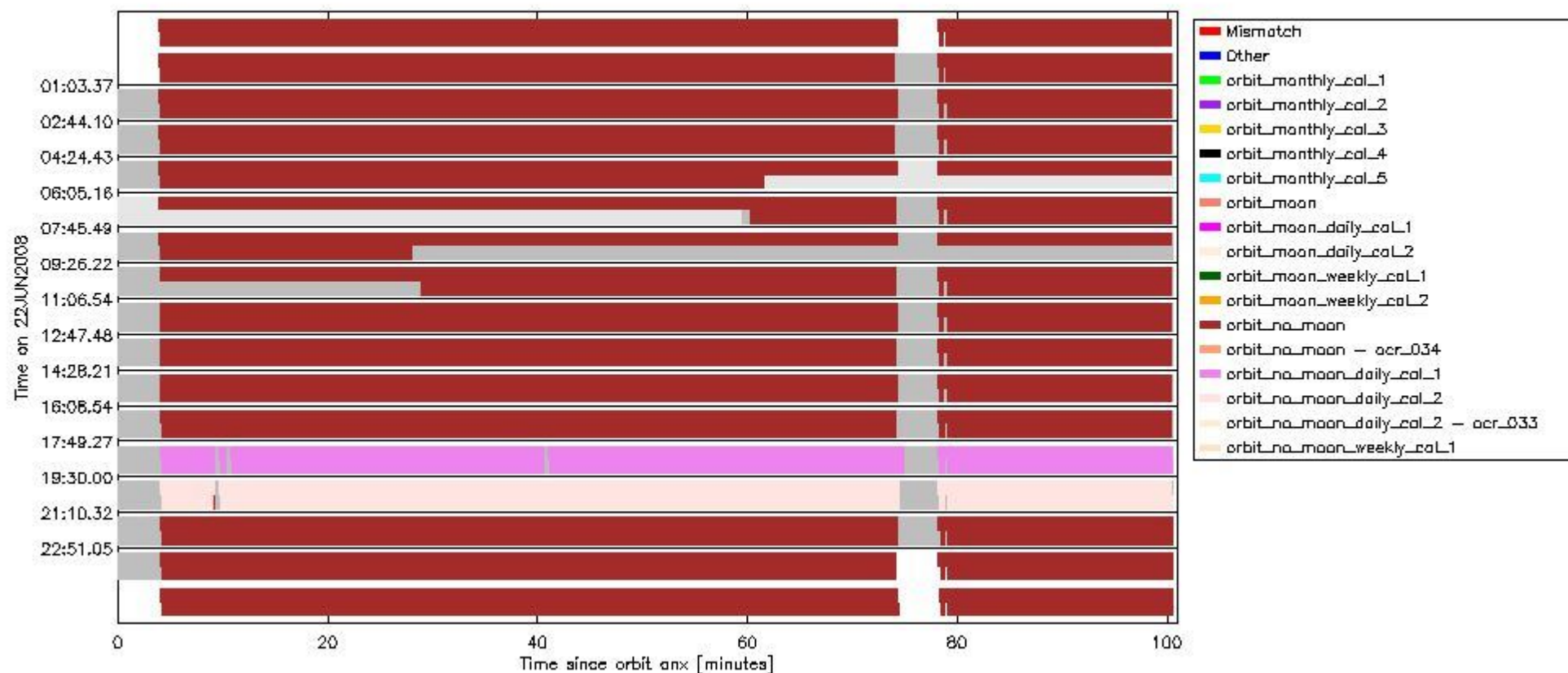


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080622_5.PNG

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 22JUN2008.
 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_20080622_6.PNG

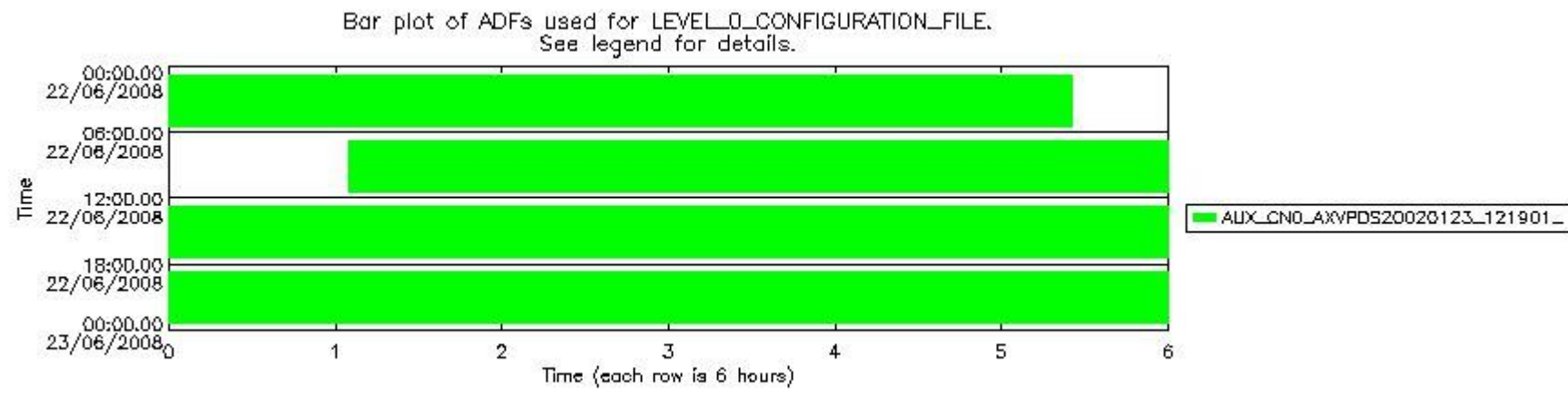
0.4 ADF monitoring

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

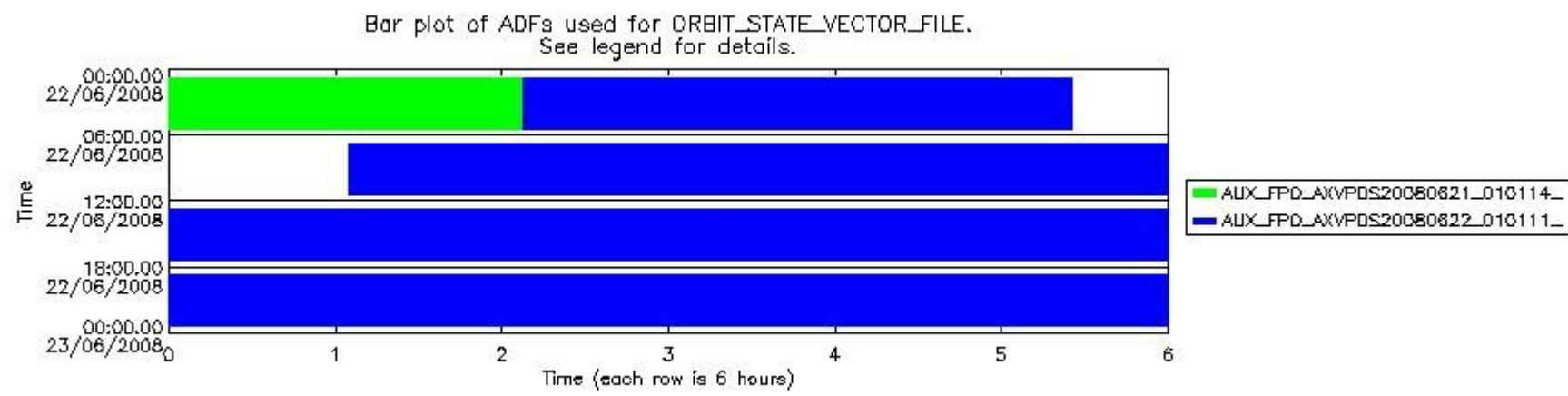
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

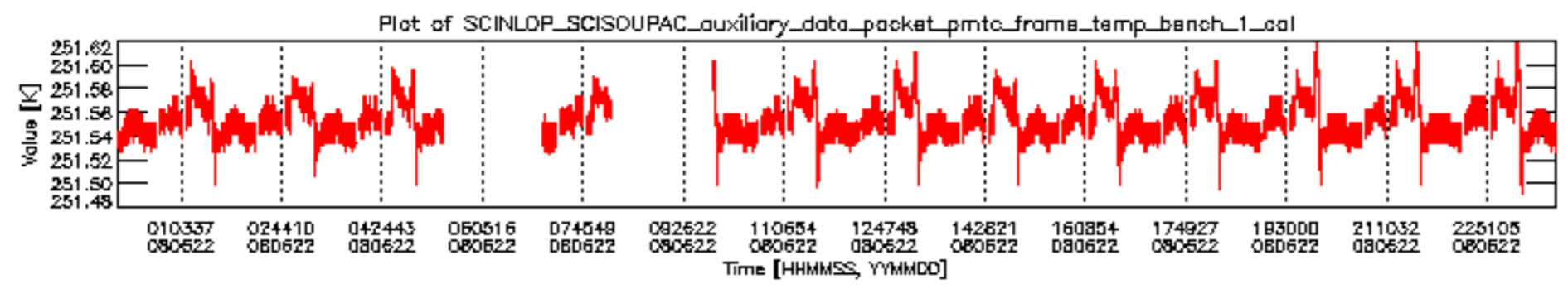
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080621_010114_20080620_185242_20080630_201855
2	AUX_FPO_AXVPDS20080622_010111_20080621_182105_20080701_212754

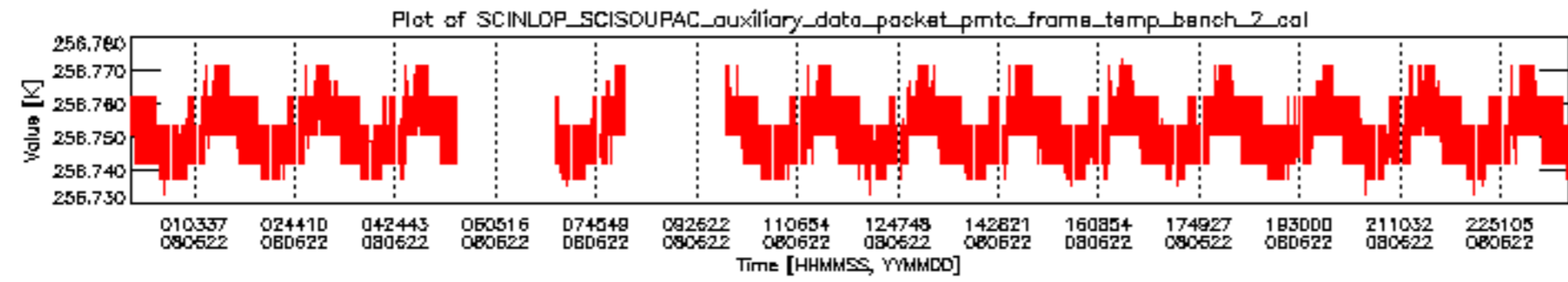


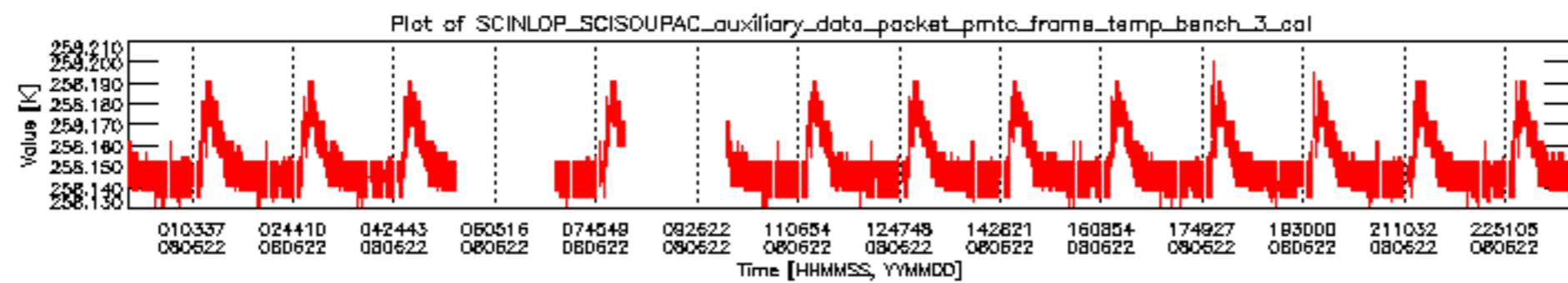
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080622_7.PNG

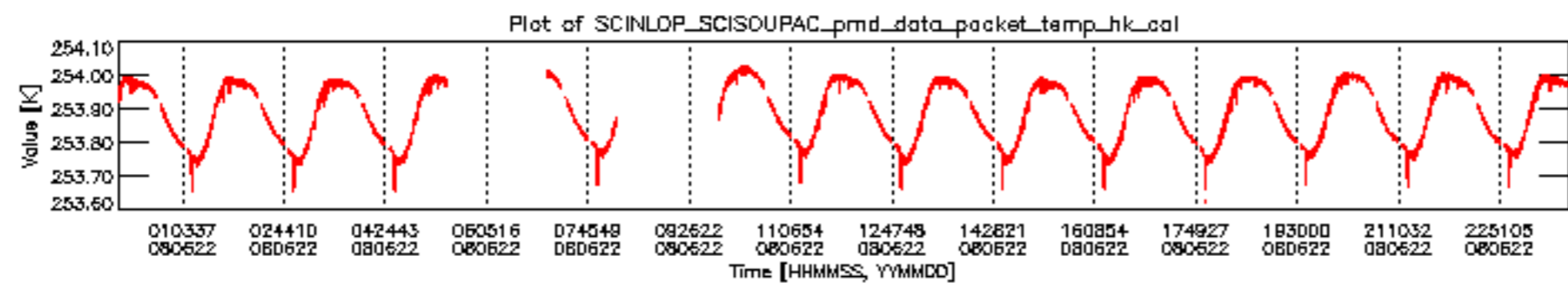


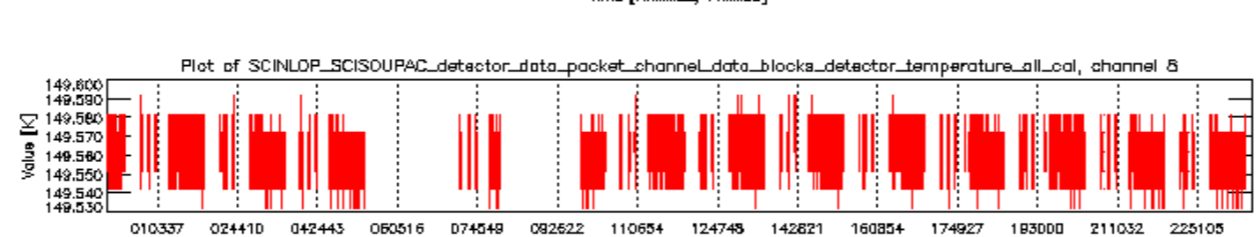
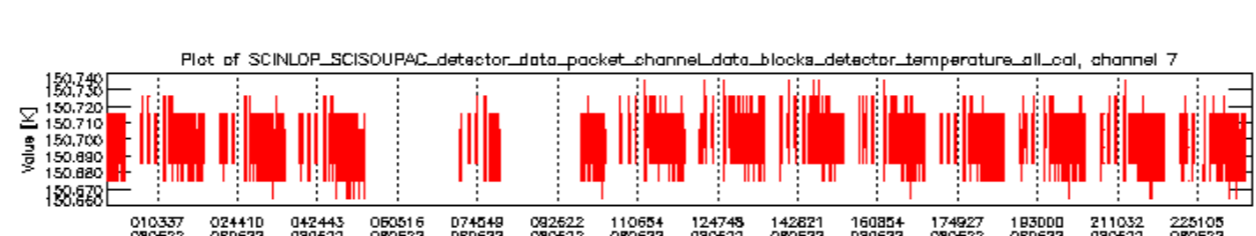
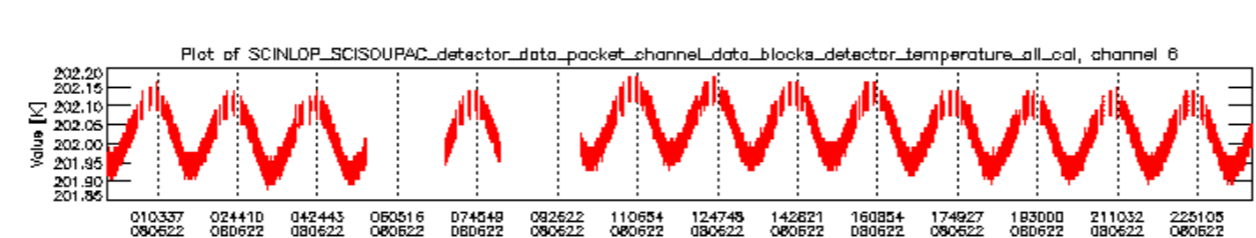
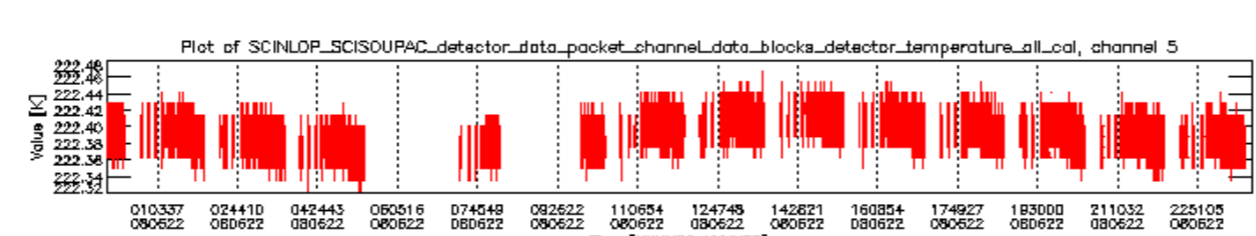
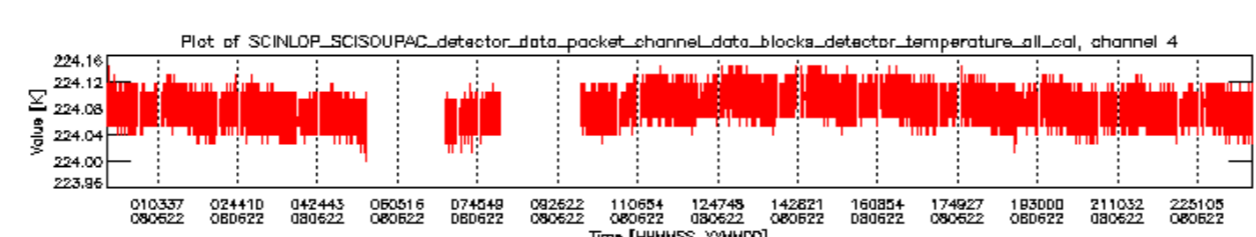
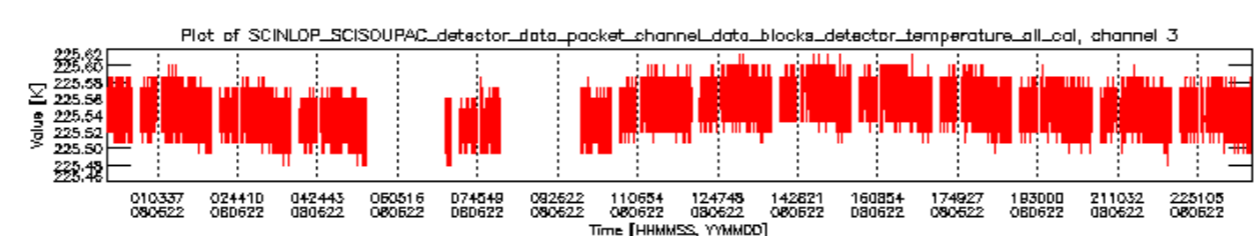
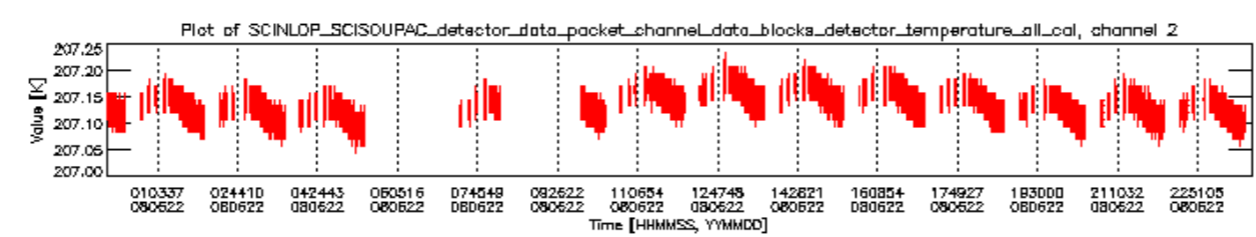
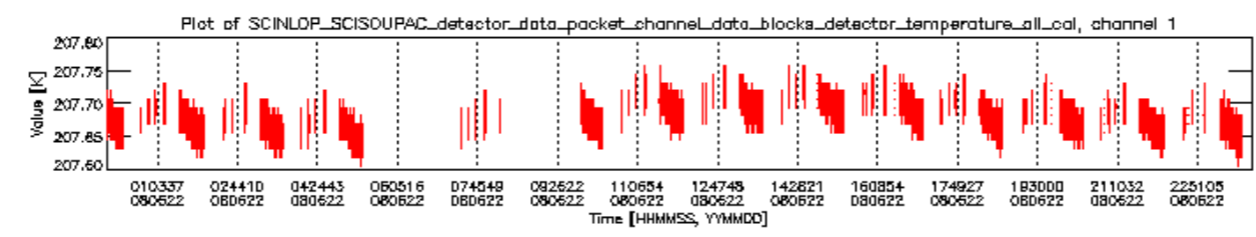
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080622_8.PNG

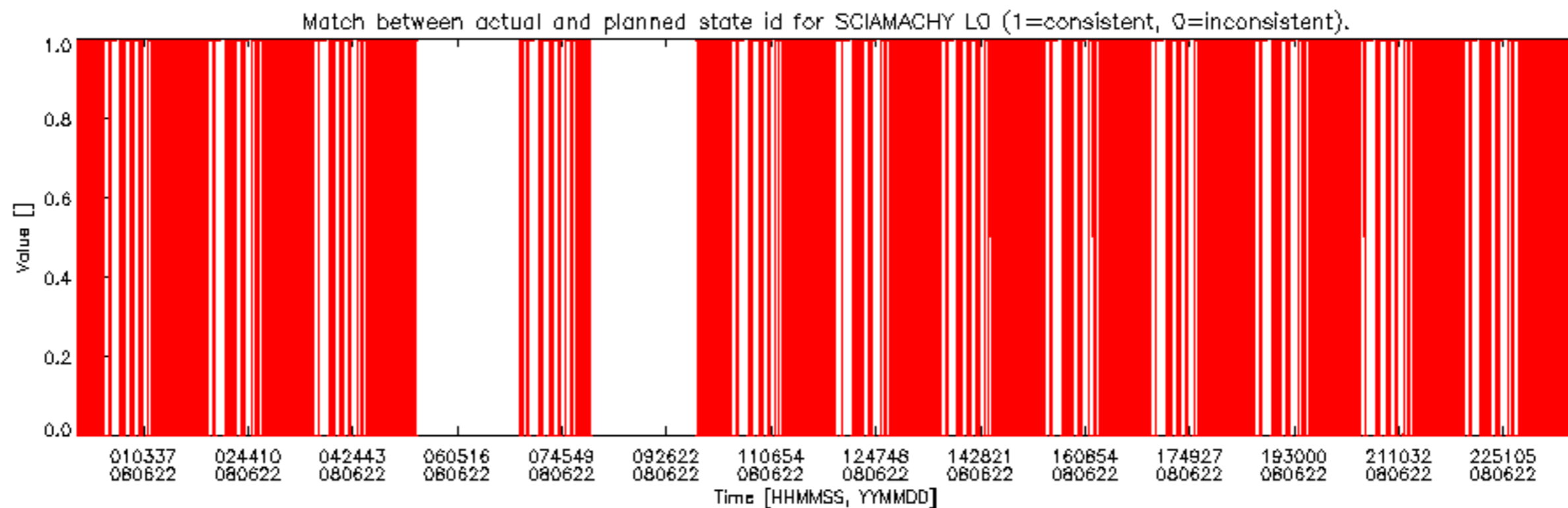
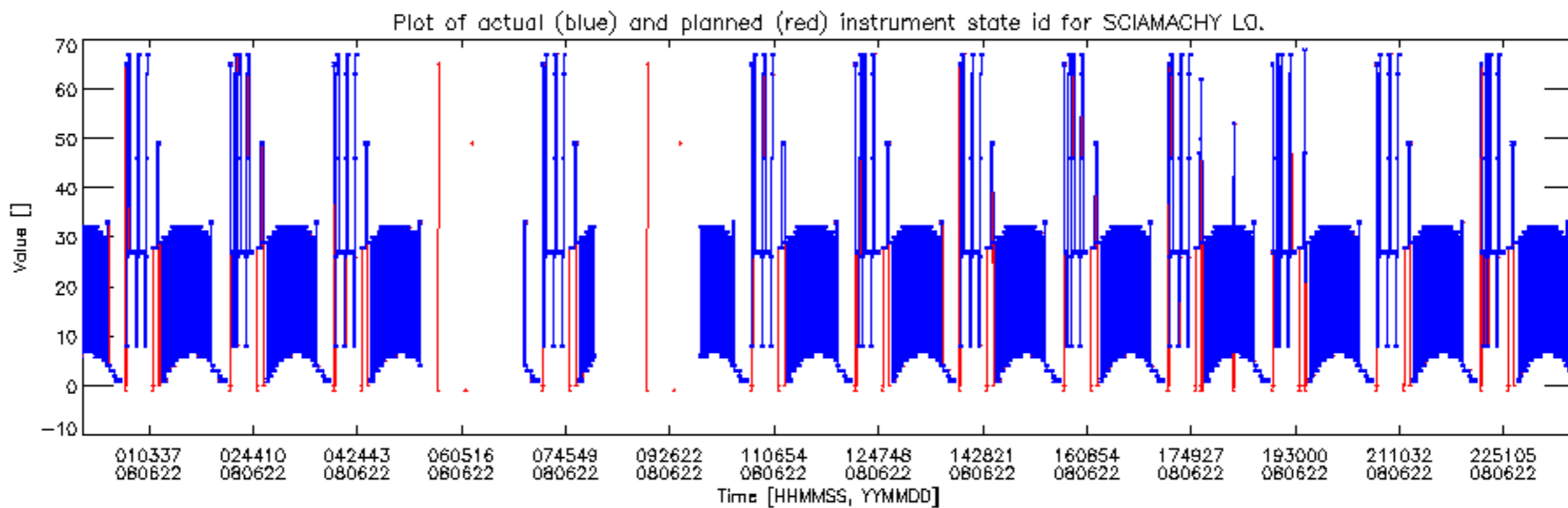












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