

0. SCIAMACHY Daily Report for level 0 products

[0.1 General Info](#)

[0.2 Product Quality Indicators](#)

[0.3 State monitoring](#)

[0.4 ADF monitoring](#)

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	19JAN2008 14:24:42
Data source version	KSPT_L0/4302-N
Processing scope for products	15JAN2008 00:00:00 to 16JAN2008 00:00:00
Start time of first product within scope	14JAN2008 23:05:44
Stop time of last product within scope	15JAN2008 19:44:22
Total number of level 0 products	13
Number of level 0 products with errors	3

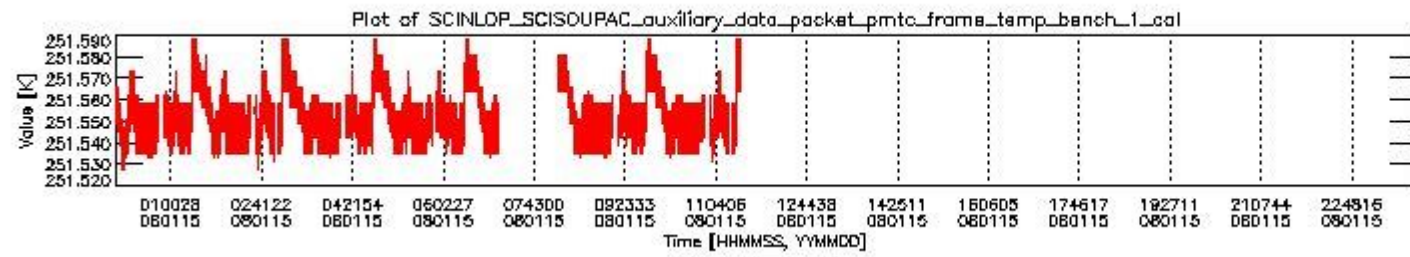
0.1.2 Summary per product

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

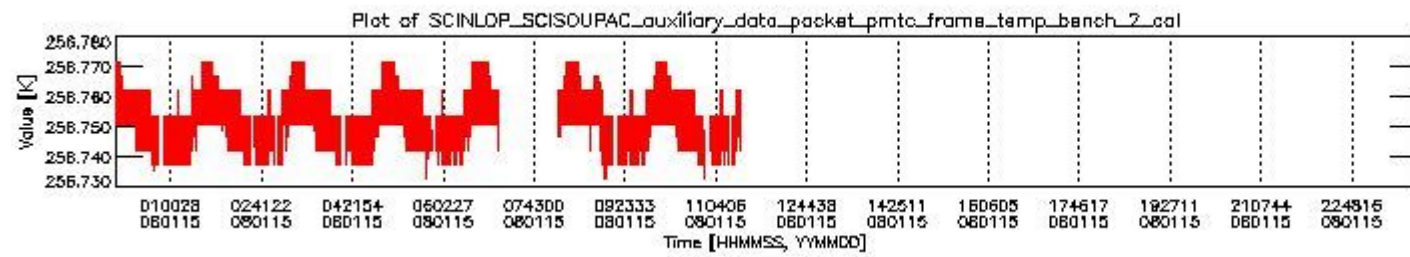
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080114_230544_000060232065_00101_30716_5941.N1	14JAN2008 23:05:44	15JAN2008 00:46:07	0	0	0	0	0
1	SCI_NL__OPNPDE20080115_005321_000054782065_00102_30717_5942.N1	15JAN2008 00:53:21	15JAN2008 02:24:38	0	0	0	0	0
2	SCI_NL__OPNPDE20080115_022330_000046722065_00103_30718_5943.N1	15JAN2008 02:23:30	15JAN2008 03:41:22	0	0	0	0	0
3	SCI_NL__OPNPDE20080115_034026_000061602065_00104_30719_5944.N1	15JAN2008 03:40:26	15JAN2008 05:23:06	0	0	0	0	0
4	SCI_NL__OPNPDE20080115_052210_000060232065_00105_30720_5945.N1	15JAN2008 05:22:10	15JAN2008 07:02:33	0	0	0	0	0
5	SCI_NL__OPNPDK20080115_070233_000040572065_00106_30721_7134.N1	15JAN2008 07:02:33	15JAN2008 08:10:11	0	0	0	0	0
6	SCI_NL__OPNPDK20080115_080902_000062162065_00107_30722_7135.N1	15JAN2008 08:09:02	15JAN2008 09:52:38	1	1	0	0	0
7	SCI_NL__OPNPDK20080115_095142_000059802065_00108_30723_7136.N1	15JAN2008 09:51:42	15JAN2008 11:31:22	0	0	0	0	0
8	SCI_NL__OPNPDK20080115_112917_000060912065_00109_30724_7137.N1	15JAN2008 11:29:17	15JAN2008 13:10:49	0	0	0	0	0
9	SCI_NL__OPNPDK20080115_130953_000059802065_00110_30725_7138.N1	15JAN2008 13:09:53	15JAN2008 14:49:33	0	0	0	0	0
10	SCI_NL__OPNPDK20080115_144837_000058982065_00111_30726_7139.N1	15JAN2008 14:48:37	15JAN2008 16:26:55	0	0	0	0	0
11	SCI_NL__OPNPDK20080115_162558_000058682065_00112_30727_7140.N1	15JAN2008 16:25:58	15JAN2008 18:03:46	1	1	0	0	0
12	SCI_NL__OPNPDK20080115_180346_000060362065_00113_30728_7141.N1	15JAN2008 18:03:46	15JAN2008 19:44:22	1	1	0	0	0

0.2 Product Quality Indicators

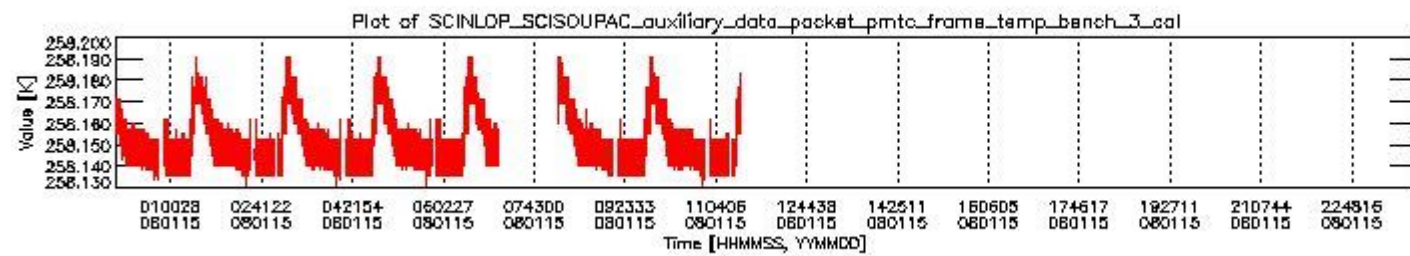
This section shows information about product quality, currently temperatures.



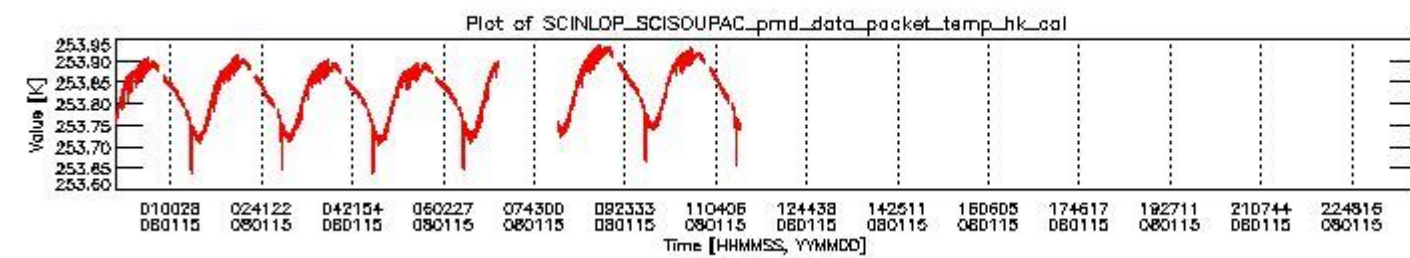
sciamachy_daily_report_level0_KSPT_L0_4302_N_20080115_0.PNG



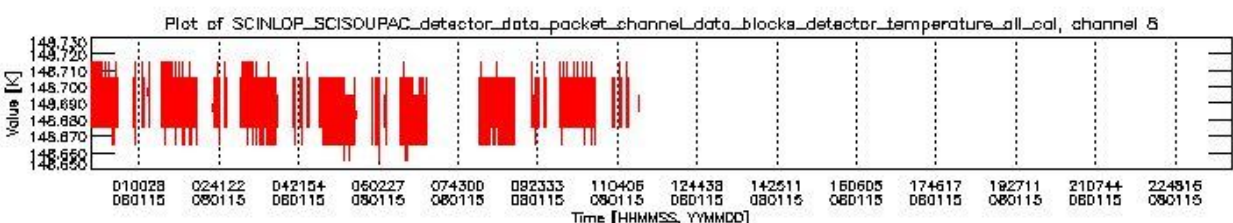
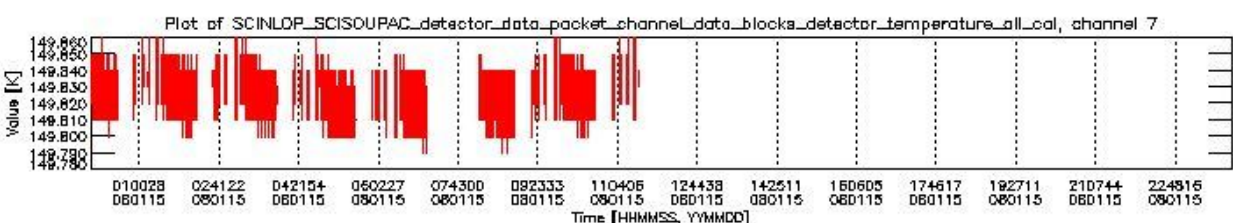
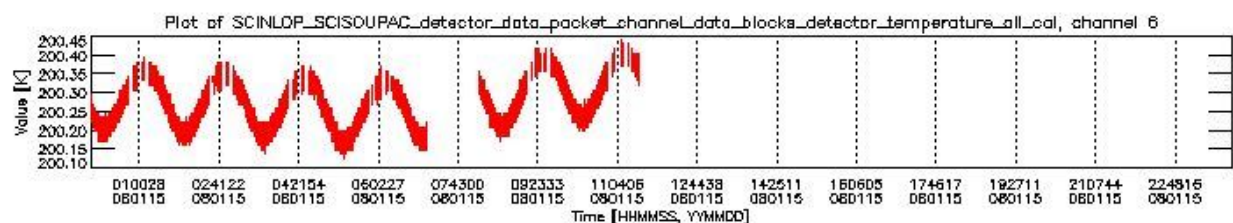
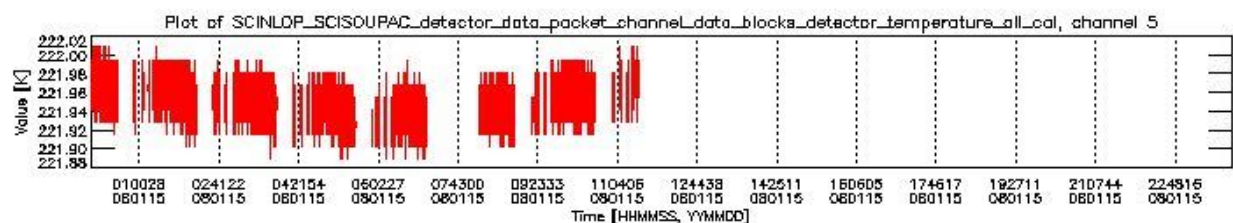
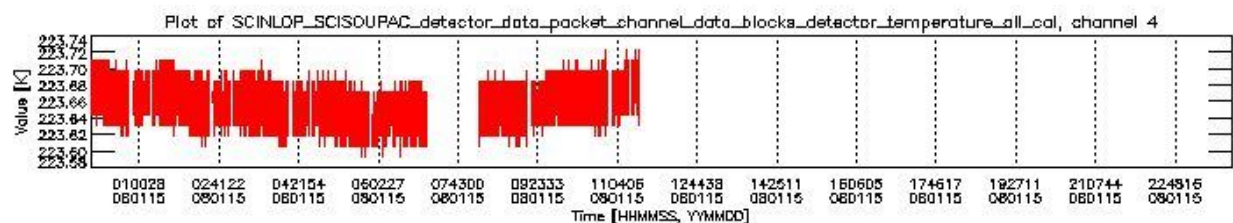
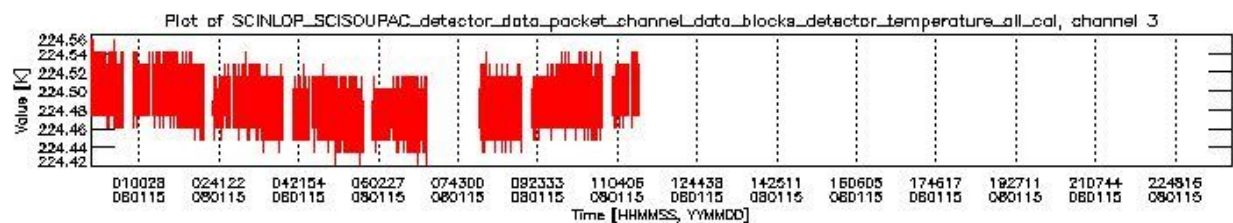
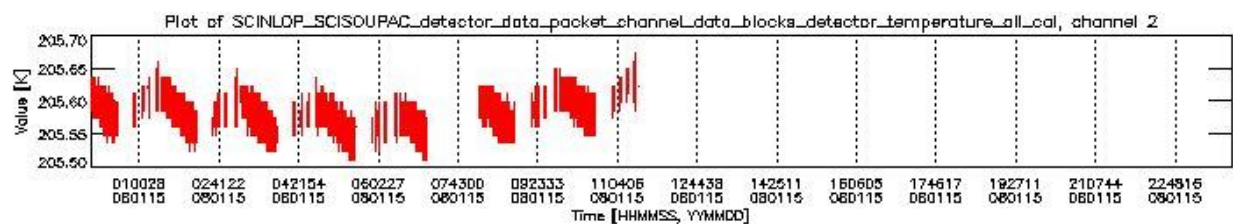
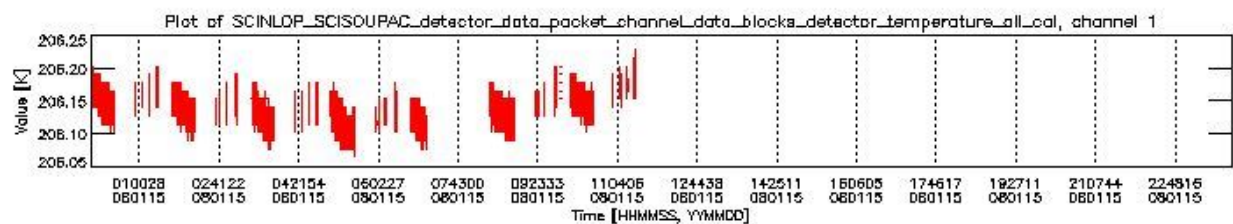
sciamachy_daily_report_level0_KSPT_L0_4302_N_20080115_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20080115_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20080115_3.PNG

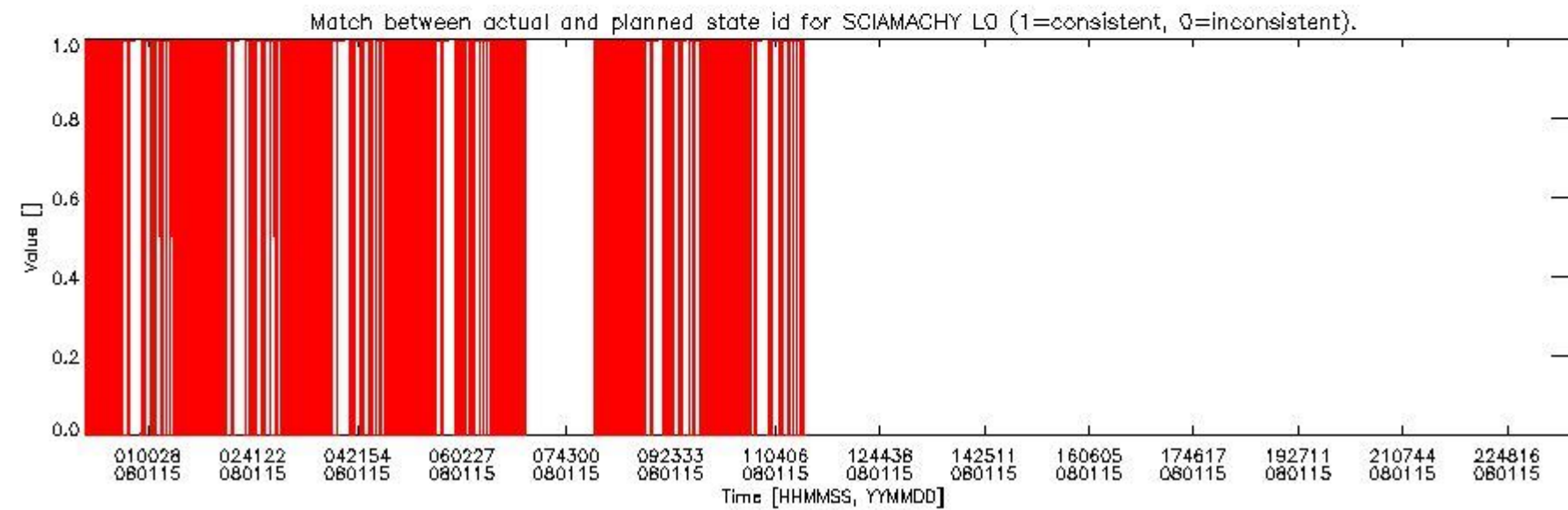
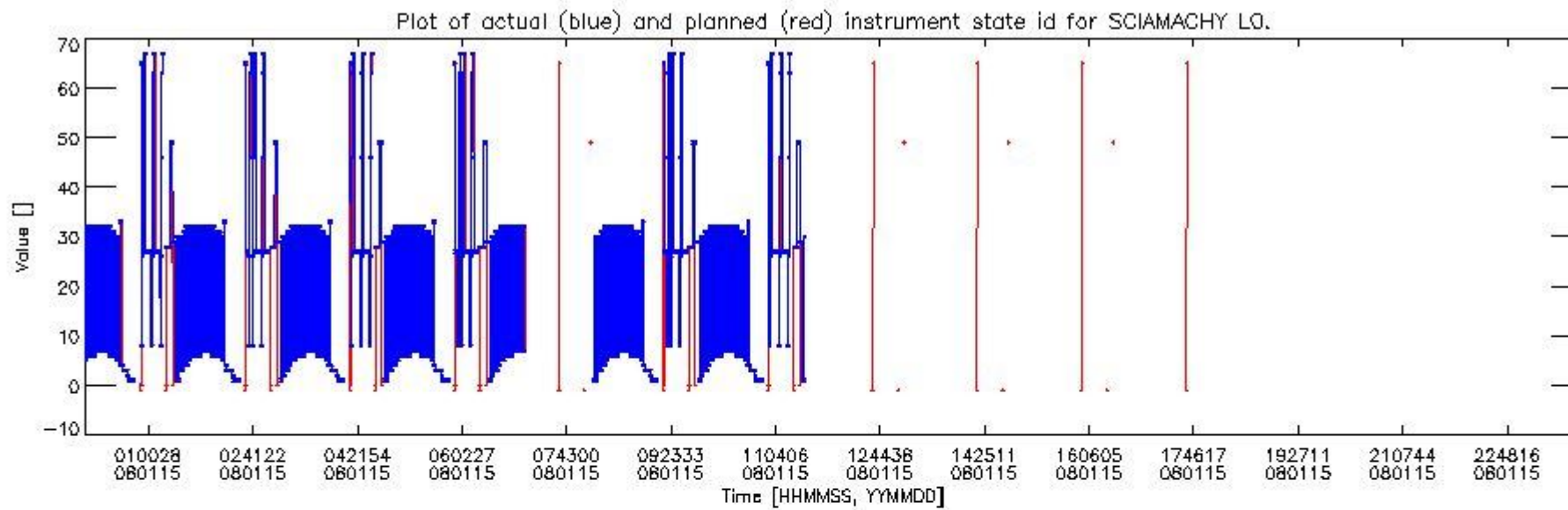


0.3 State monitoring

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: **15023**

#	Actual time	Actual value	Planned time	Planned value
0	15JAN2008 00:00:35.386330	32	15JAN2008 00:00:35.386330	5
1	15JAN2008 00:00:36.011311	32	15JAN2008 00:00:36.011311	5
2	15JAN2008 00:00:36.386324	32	15JAN2008 00:00:36.386324	5
3	15JAN2008 00:00:36.761338	32	15JAN2008 00:00:36.761338	5
4	15JAN2008 00:00:37.323837	32	15JAN2008 00:00:37.323837	5
5	15JAN2008 00:00:37.698810	32	15JAN2008 00:00:37.698810	5
6	15JAN2008 00:00:38.073823	32	15JAN2008 00:00:38.073823	5
7	15JAN2008 00:00:38.448836	32	15JAN2008 00:00:38.448836	5
8	15JAN2008 00:00:39.011335	32	15JAN2008 00:00:39.011335	5
9	15JAN2008 00:00:39.386308	32	15JAN2008 00:00:39.386308	5
10	15JAN2008 00:00:39.761321	32	15JAN2008 00:00:39.761321	5
11	15JAN2008 00:00:40.136334	32	15JAN2008 00:00:40.136334	5
12	15JAN2008 00:00:40.386343	32	15JAN2008 00:00:40.386343	5
13	15JAN2008 00:00:40.698834	32	15JAN2008 00:00:40.698834	5
14	15JAN2008 00:00:41.073847	32	15JAN2008 00:00:41.073847	5
15	15JAN2008 00:00:41.448820	32	15JAN2008 00:00:41.448820	5
16	15JAN2008 00:00:41.823833	32	15JAN2008 00:00:41.823833	5
17	15JAN2008 00:00:42.386332	32	15JAN2008 00:00:42.386332	5
18	15JAN2008 00:00:42.761345	32	15JAN2008 00:00:42.761345	5
19	15JAN2008 00:00:43.136318	32	15JAN2008 00:00:43.136318	5

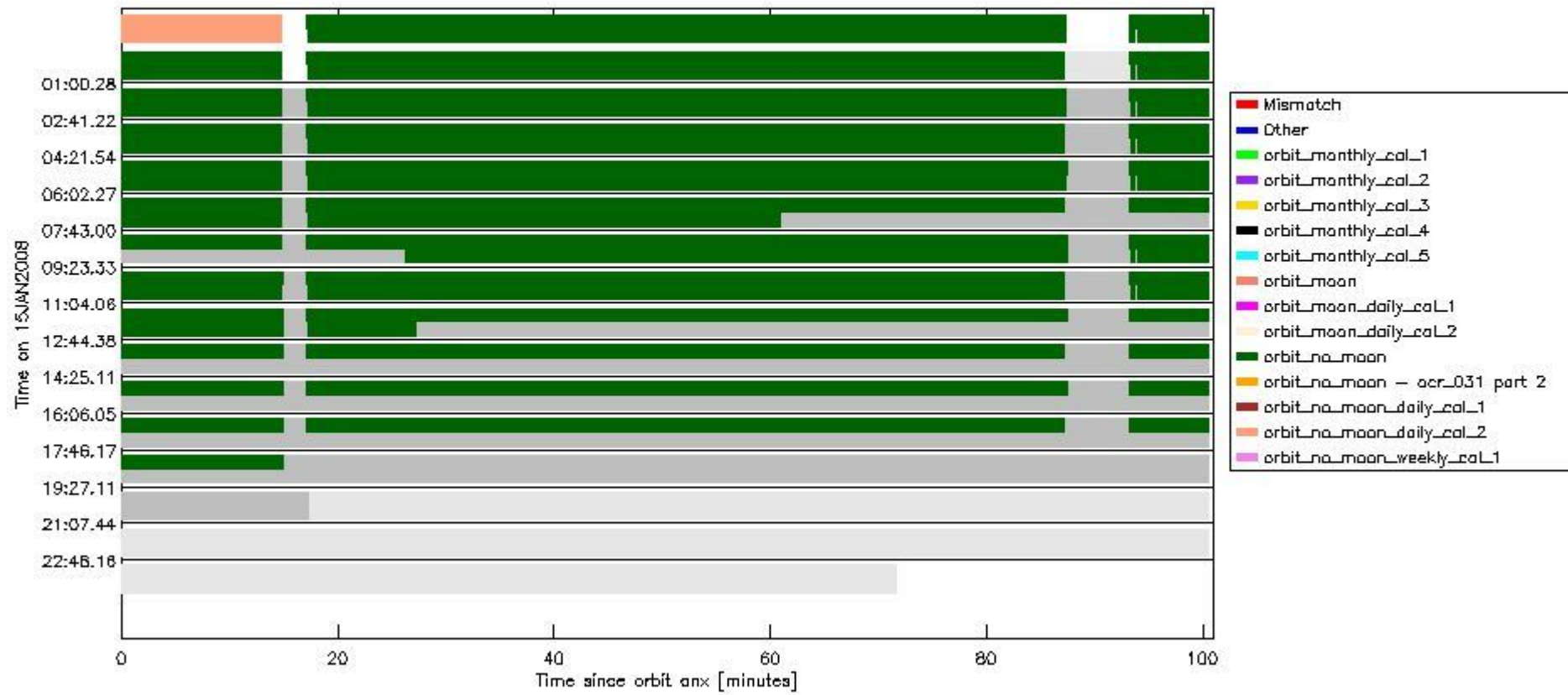


sciamachy_daily_report_level0_KSPT_L0_4302_N_20080115_5.PNG

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 15JAN2008.
 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_4302_N_20080115_6.PNG

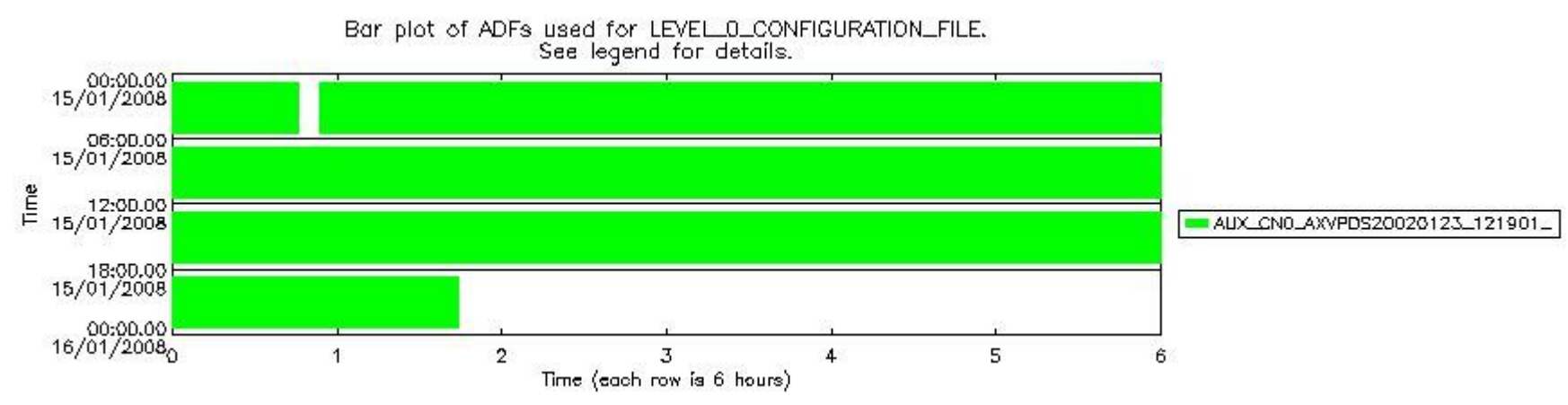
0.4 ADF monitoring

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

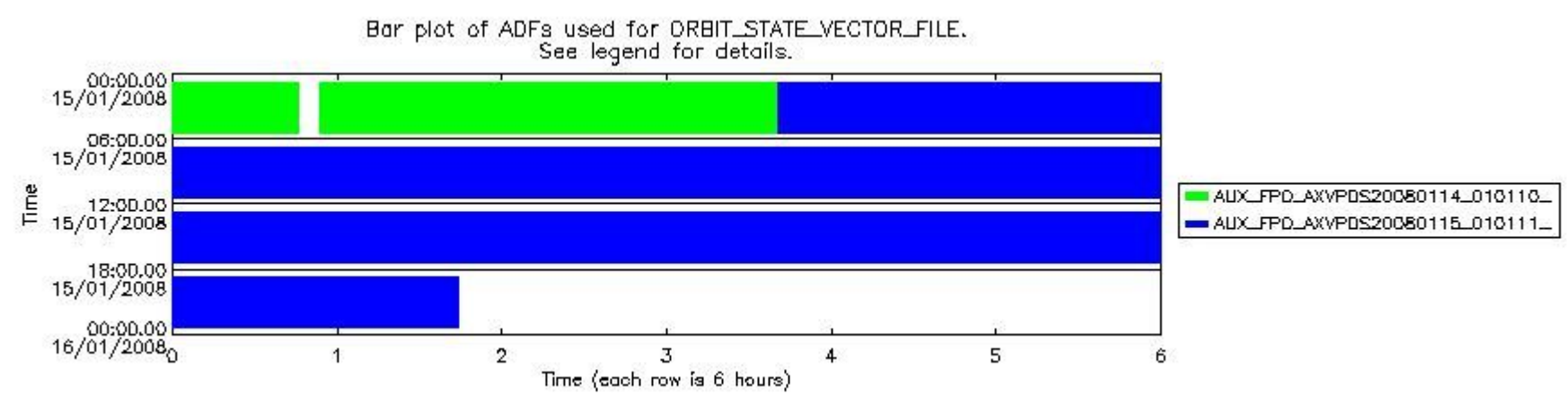
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

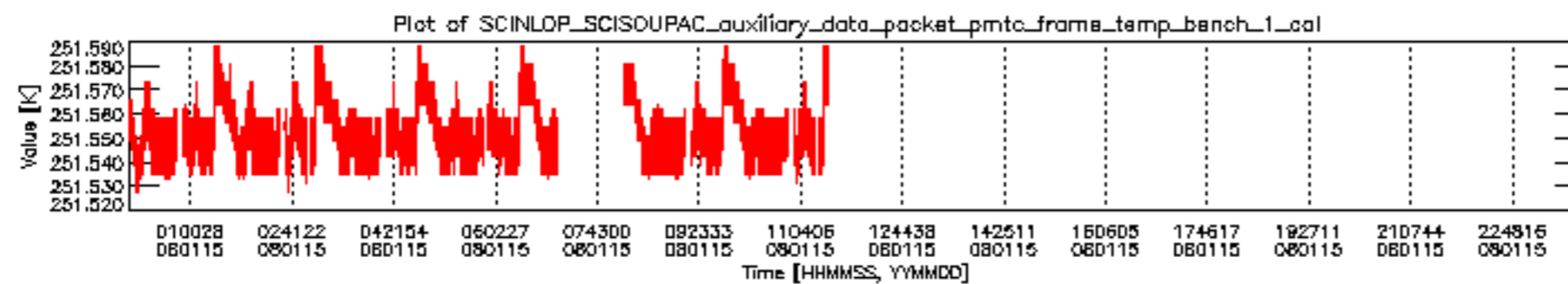
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080114_010110_20080113_184948_20080123_201602
2	AUX_FPO_AXVPDS20080115_010111_20080114_195847_20080124_212501

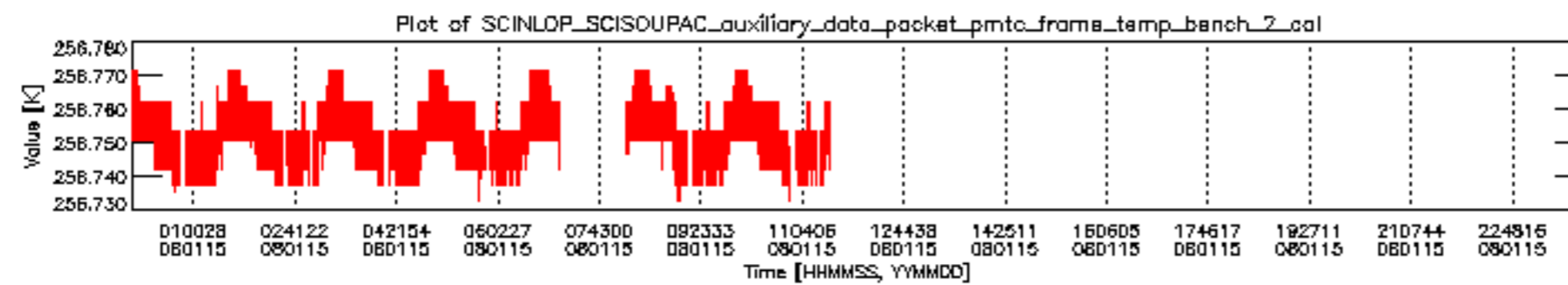


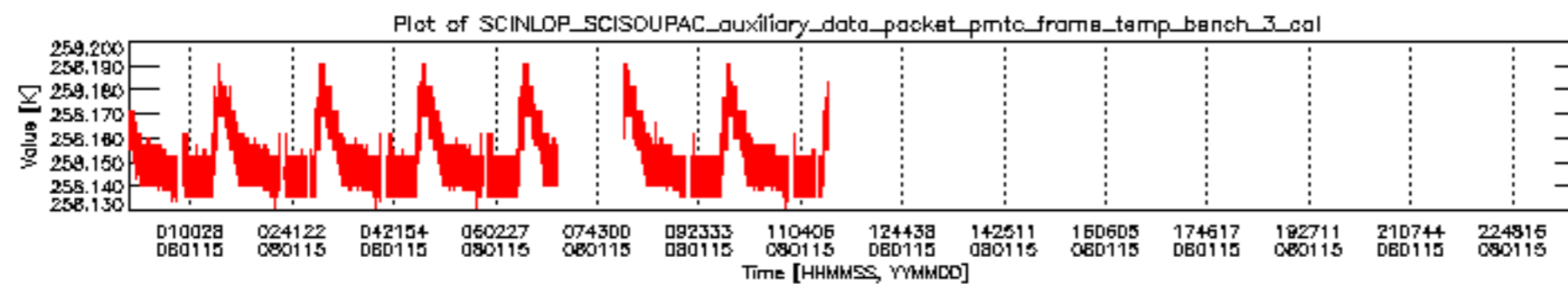
sciamachy_daily_report_level0_KSPT_L0_4302_N_20080115_7.PNG

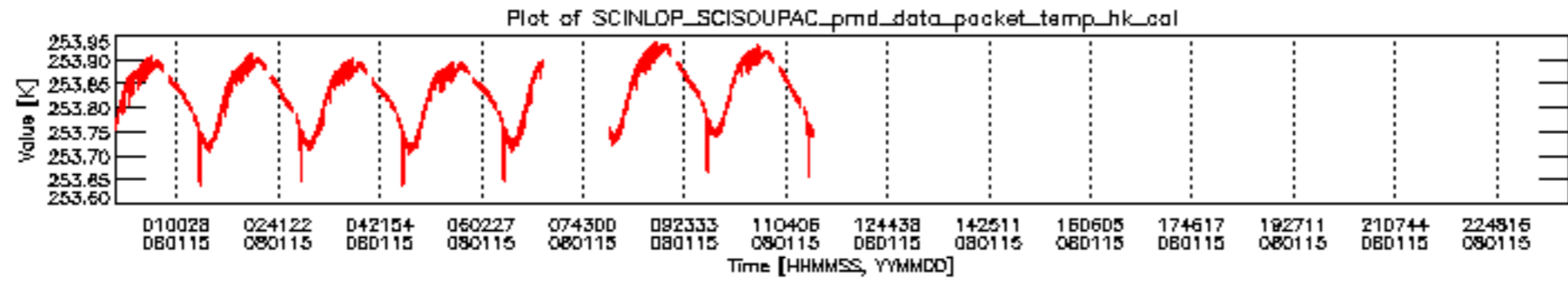


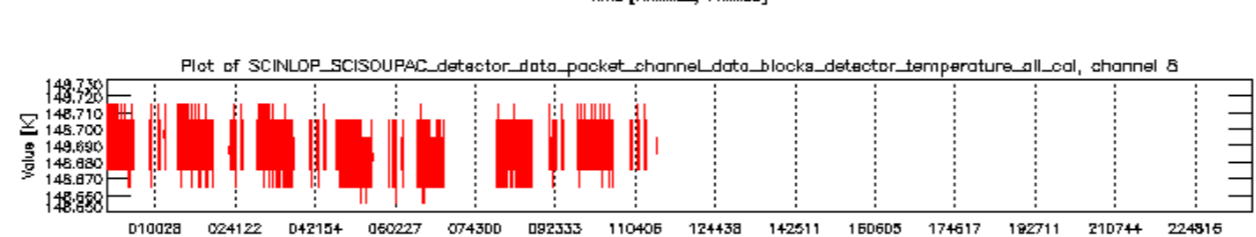
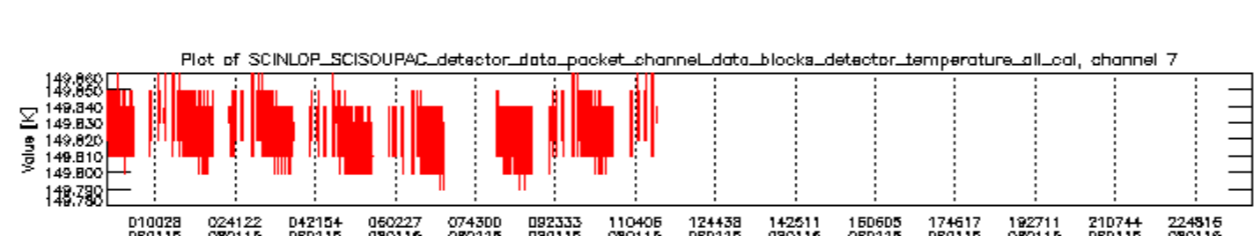
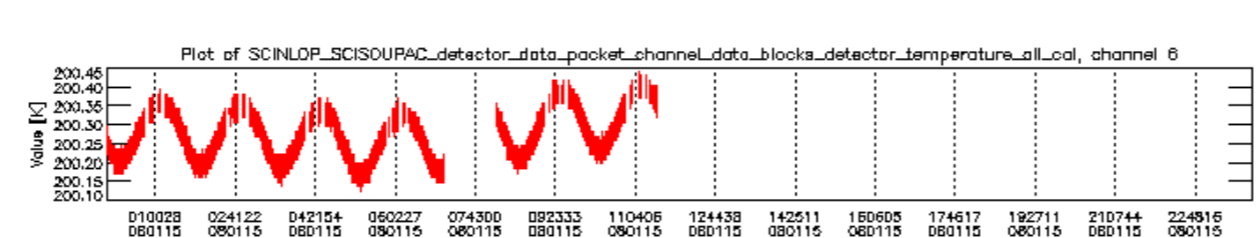
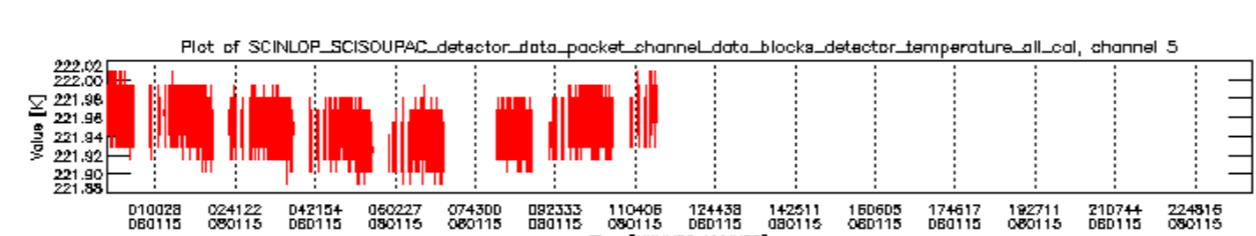
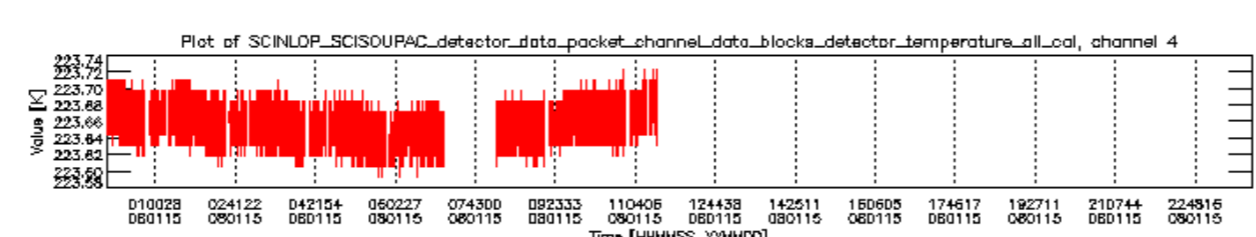
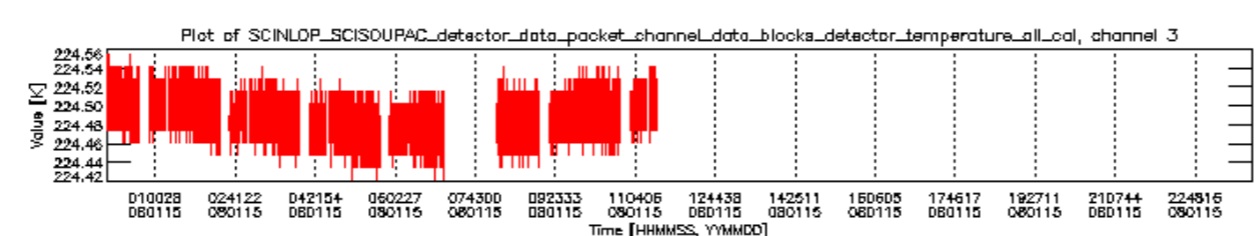
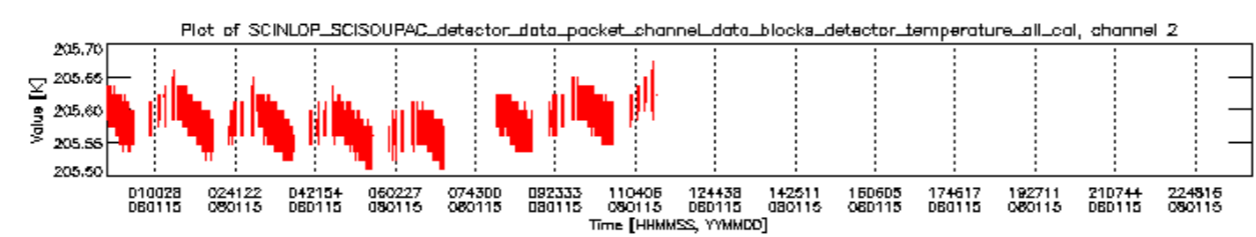
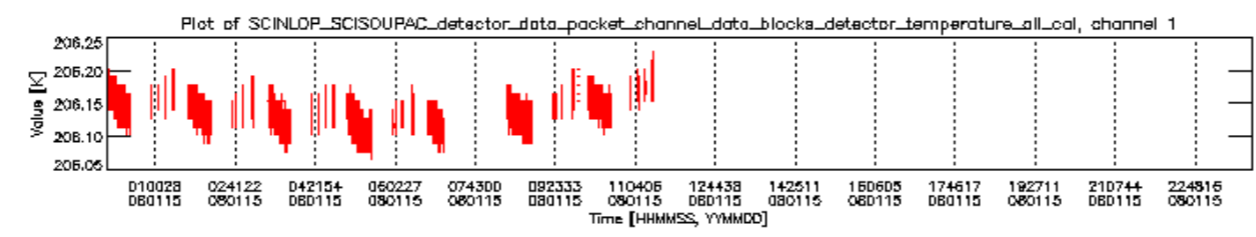
sciamachy_daily_report_level0_KSPT_L0_4302_N_20080115_8.PNG

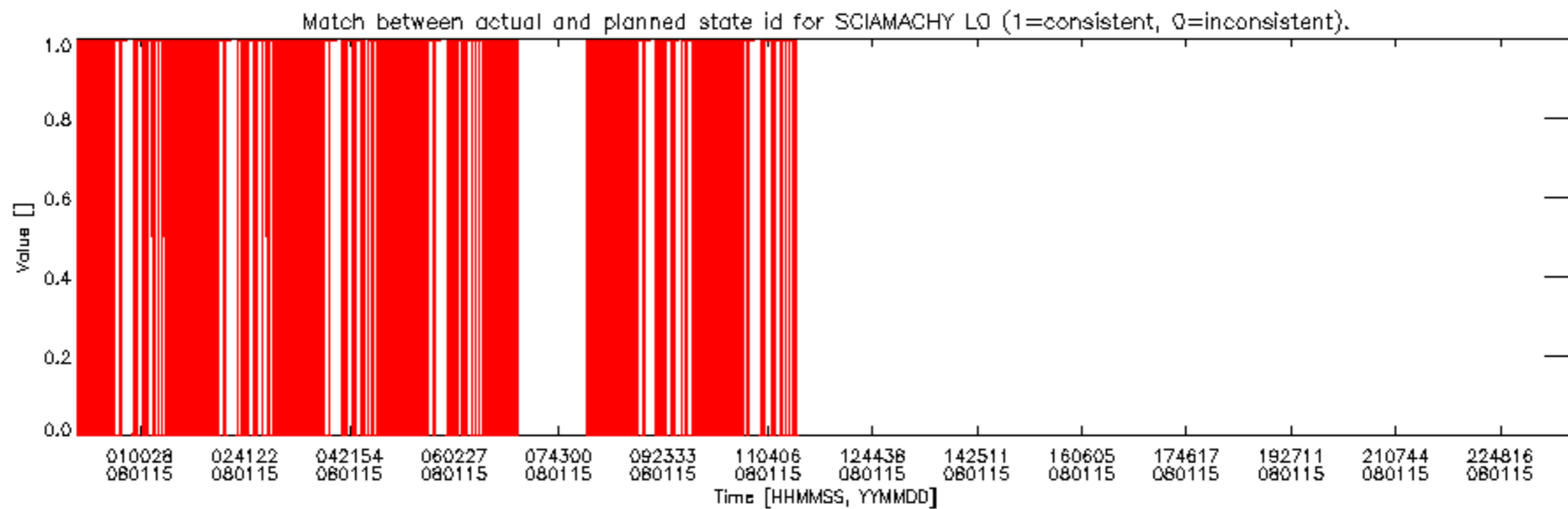
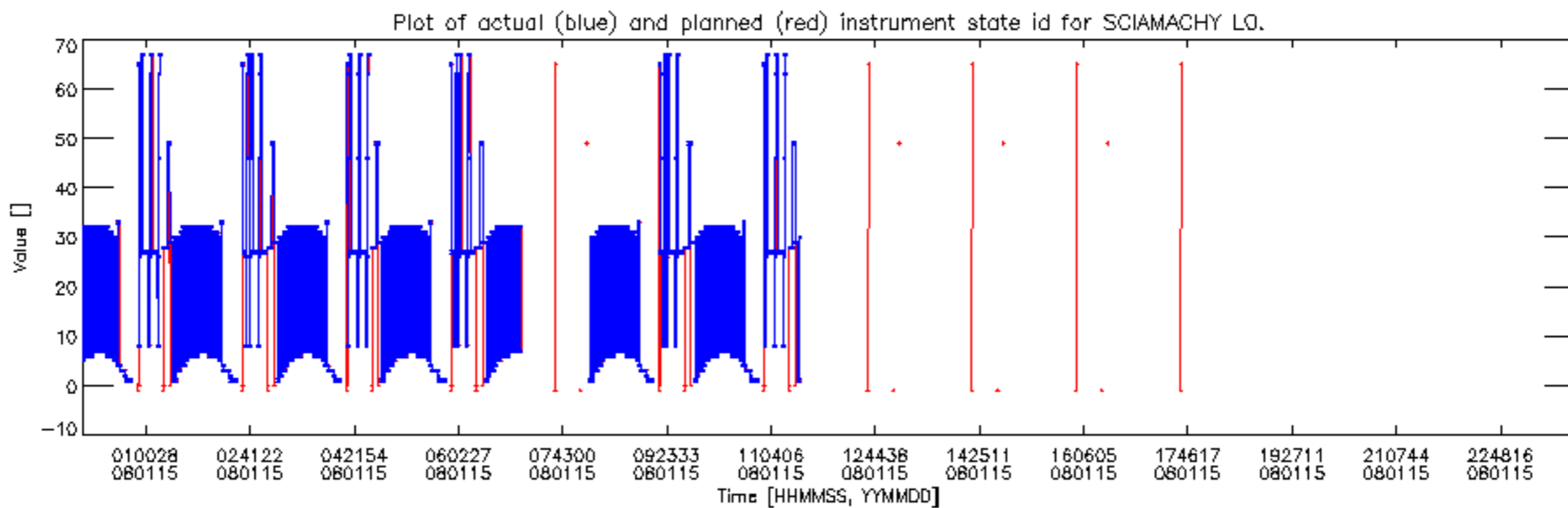












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