

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	v1.4 20100407
Time of report generation	30SEP2010 02:15:32
Data source version	<Any version>
Processing scope for products	23SEP2010 00:00:00 to 24SEP2010 00:00:00
Start time of first product within scope	23SEP2010 02:36:56
Stop time of last product within scope	24SEP2010 00:54:24
Total number of Level 0 products	7
Number of Level 0 products with errors	1

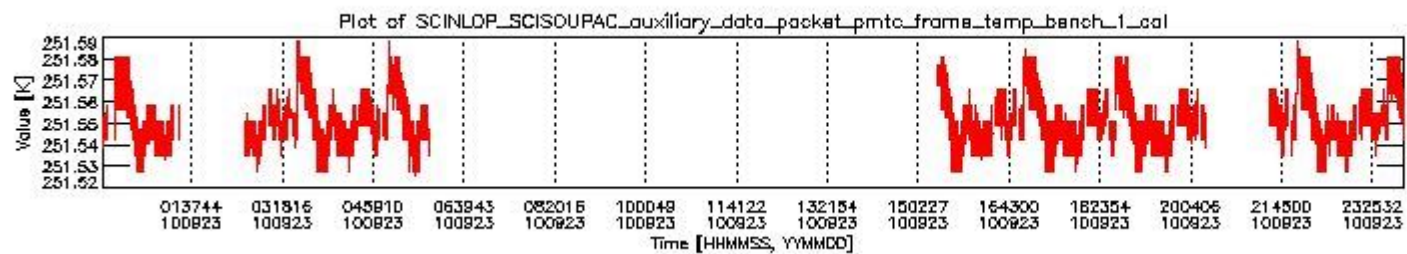
0.1.2 Summary per product

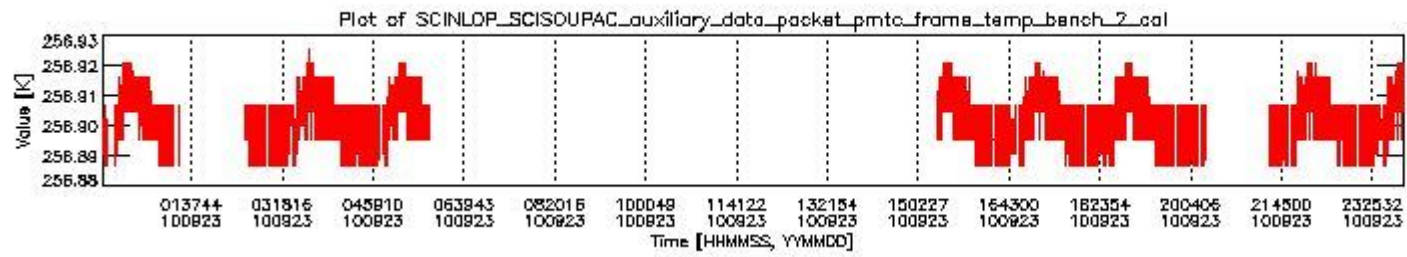
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDE20100923_023656_000061612093_00132_44775_2396.N1	23SEP2010 02:36:56	23SEP2010 04:19:37	0	0	0	0	0
1	SCI_NL__0PNPDE20100923_041829_000061052093_00133_44776_2397.N1	23SEP2010 04:18:29	23SEP2010 06:00:14	0	0	0	0	0
2	SCI_NL__0PNPDK20100923_152224_000060922093_00140_44783_2554.N1	23SEP2010 15:22:24	23SEP2010 17:03:56	0	0	0	0	0
3	SCI_NL__0PNPDK20100923_170205_000060012093_00141_44784_2555.N1	23SEP2010 17:02:05	23SEP2010 18:42:05	1	1	0	0	1
4	SCI_NL__0PNPDK20100923_184109_000059582093_00142_44785_2556.N1	23SEP2010 18:41:09	23SEP2010 20:20:28	0	0	0	0	0
5	SCI_NL__0PNPDE20100923_213107_000061692093_00143_44786_2399.N1	23SEP2010 21:31:07	23SEP2010 23:13:56	0	0	0	0	0
6	SCI_NL__0PNPDE20100923_231228_000061172093_00144_44787_2400.N1	23SEP2010 23:12:28	24SEP2010 00:54:24	0	0	0	0	0

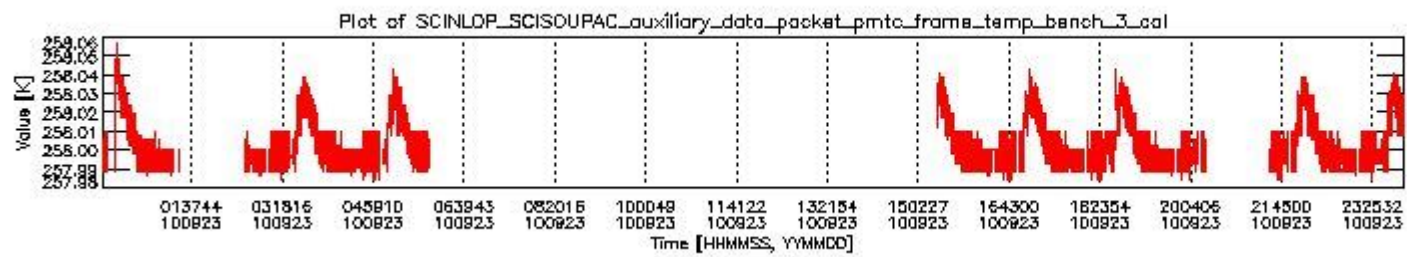
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

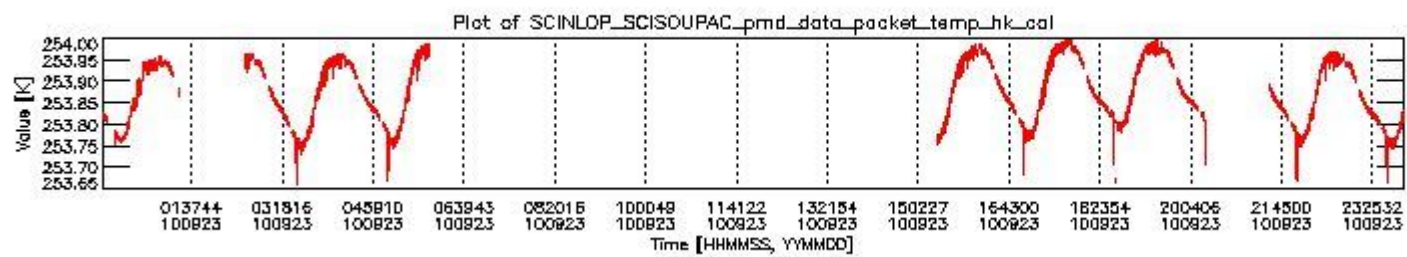




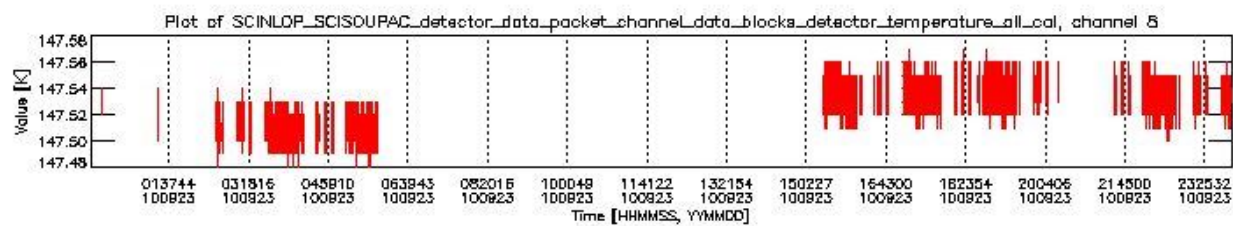
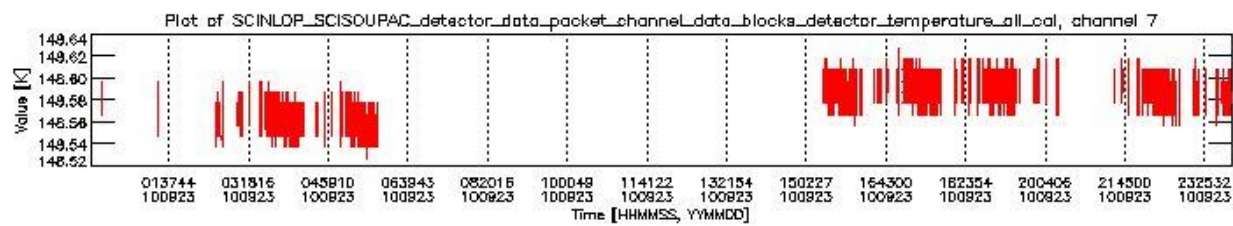
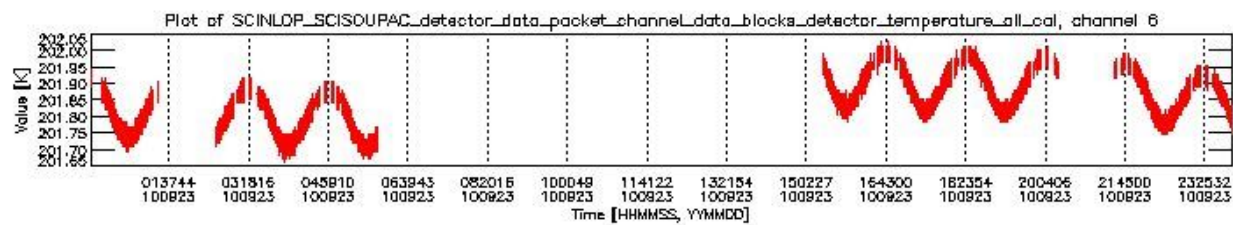
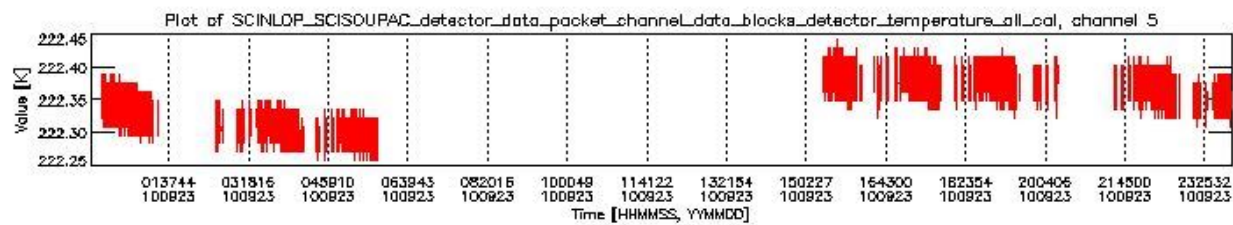
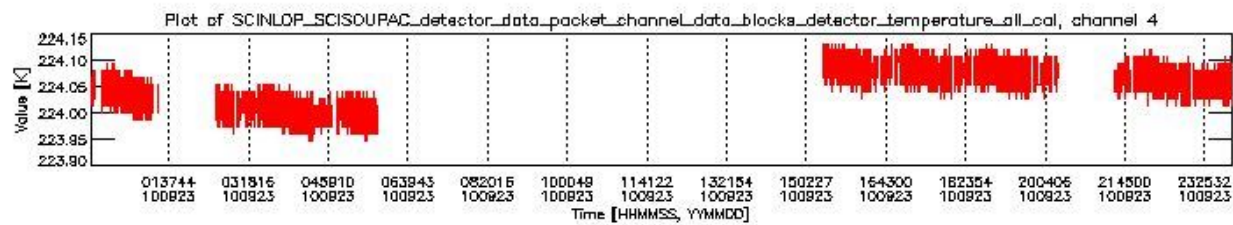
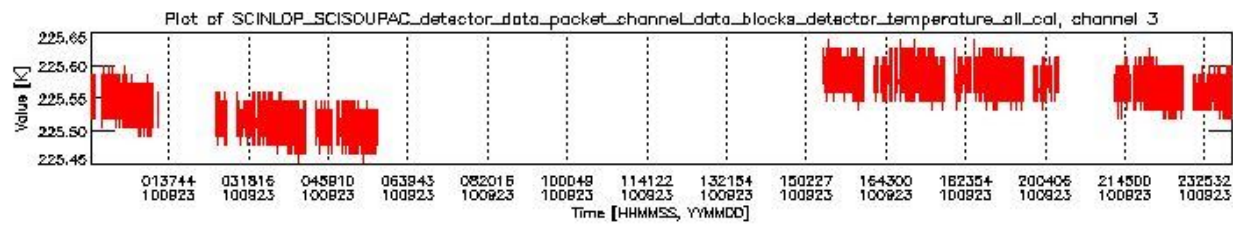
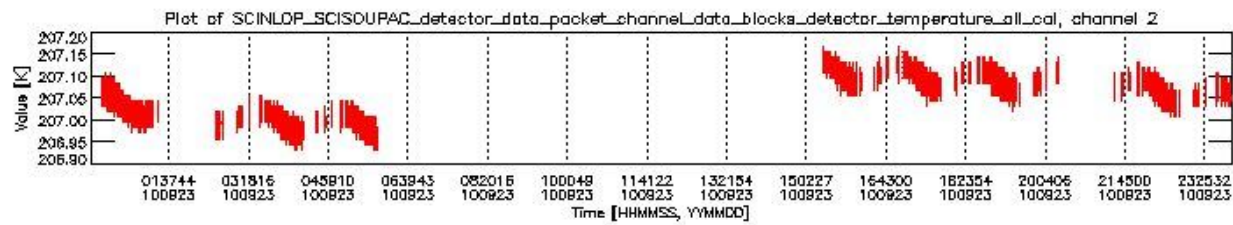
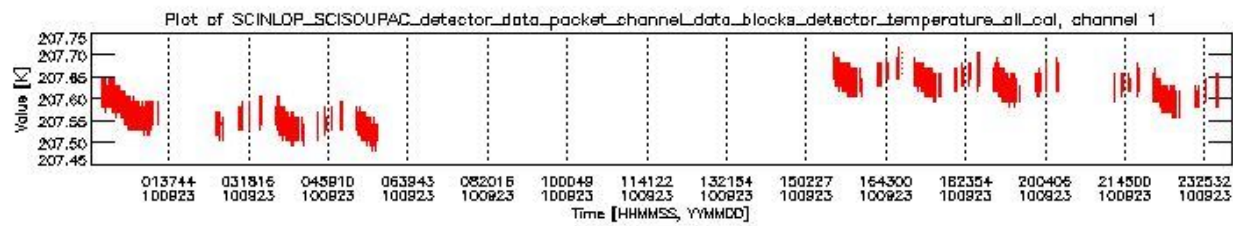
sciamachy_daily_report_level0_Any_version_20100923_1.PNG



sciamachy_daily_report_level0_Any_version_20100923_2.PNG



sciamachy_daily_report_level0_Any_version_20100923_3.PNG

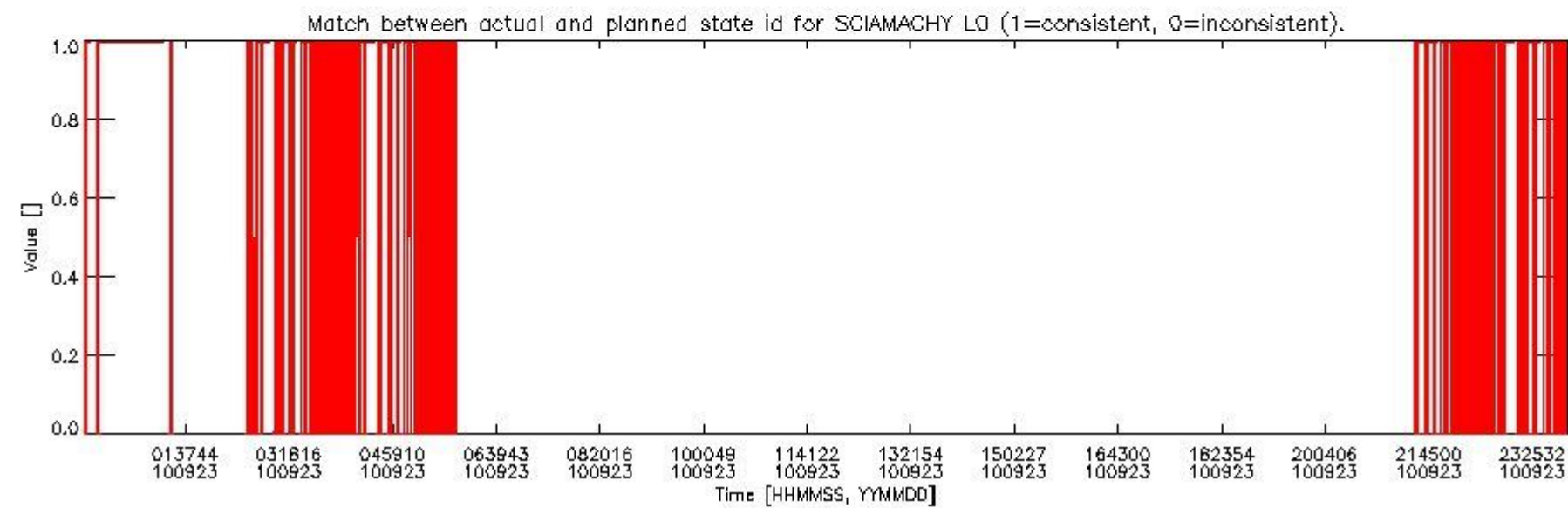
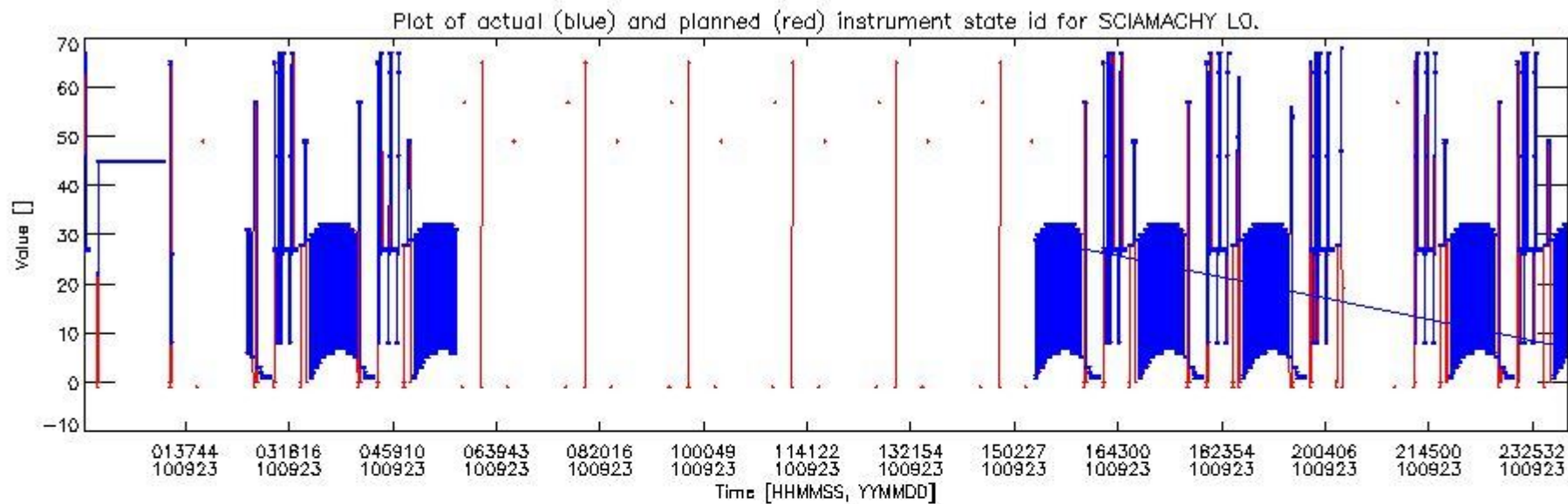


0.3 State monitoring

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: **27098**

#	Actual time	Actual value	Planned time	Planned value
0	23SEP2010 00:00:57.716407	27	23SEP2010 00:00:57.716407	67
1	23SEP2010 00:00:58.716407	27	23SEP2010 00:00:58.716407	67
2	23SEP2010 00:00:59.653907	27	23SEP2010 00:00:59.653907	67
3	23SEP2010 00:01:00.403907	27	23SEP2010 00:01:00.403907	67
4	23SEP2010 00:01:01.341407	27	23SEP2010 00:01:01.341407	67
5	23SEP2010 00:01:02.091407	27	23SEP2010 00:01:02.091407	67
6	23SEP2010 00:01:02.716407	27	23SEP2010 00:01:02.716407	67
7	23SEP2010 00:01:03.028907	27	23SEP2010 00:01:03.028907	67
8	23SEP2010 00:01:03.778907	27	23SEP2010 00:01:03.778907	67
9	23SEP2010 00:01:04.716407	27	23SEP2010 00:01:04.716407	67
10	23SEP2010 00:01:05.466407	27	23SEP2010 00:01:05.466407	67
11	23SEP2010 00:01:06.403907	27	23SEP2010 00:01:06.403907	67
12	23SEP2010 00:01:07.153907	27	23SEP2010 00:01:07.153907	67
13	23SEP2010 00:01:07.716407	27	23SEP2010 00:01:07.716407	67
14	23SEP2010 00:01:08.091407	27	23SEP2010 00:01:08.091407	67
15	23SEP2010 00:01:08.841407	27	23SEP2010 00:01:08.841407	67
16	23SEP2010 00:01:09.778907	27	23SEP2010 00:01:09.778907	67
17	23SEP2010 00:01:10.528907	27	23SEP2010 00:01:10.528907	67
18	23SEP2010 00:01:11.466407	27	23SEP2010 00:01:11.466407	67
19	23SEP2010 00:01:12.216407	27	23SEP2010 00:01:12.216407	67

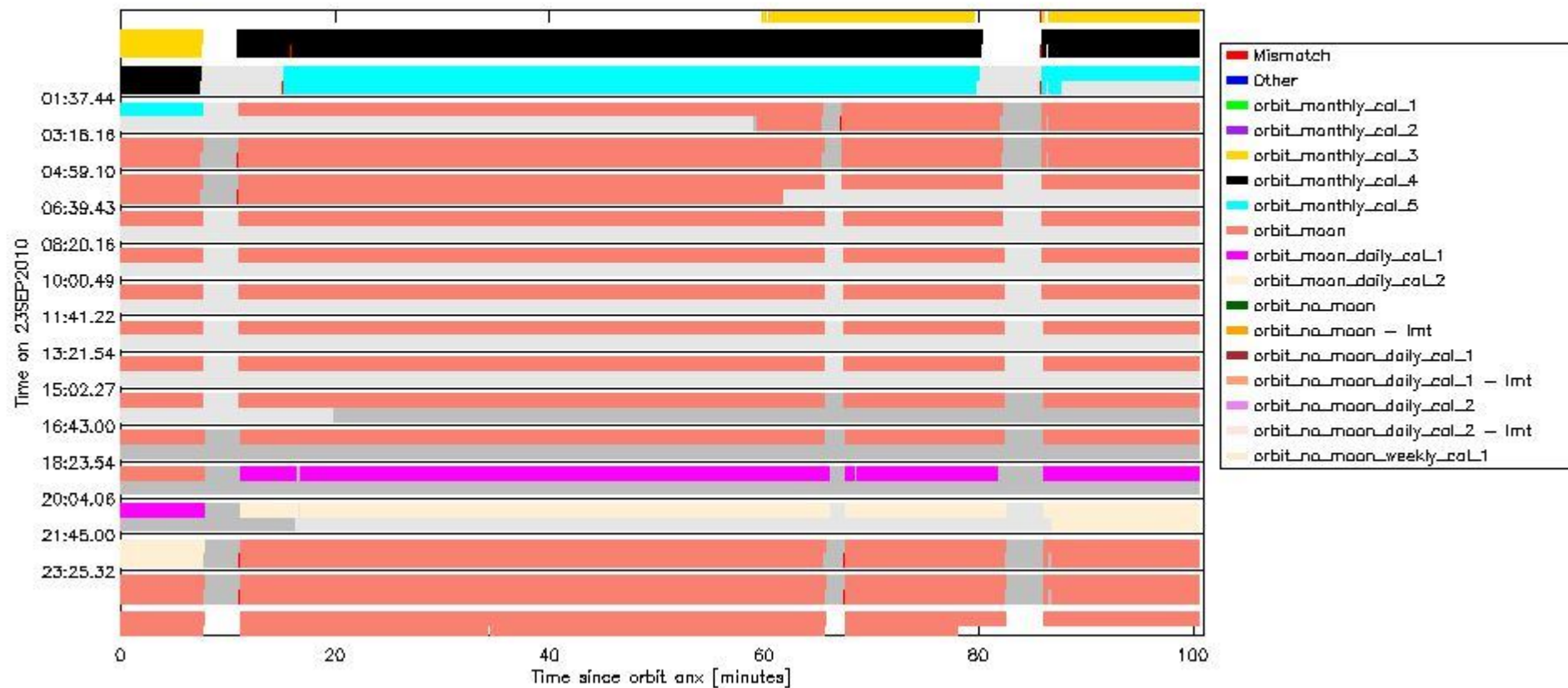


sciamachy_daily_report_level0_Any_version_20100923_5.PNG

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 23SEP2010.
 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_Any_version_20100923_6.PNG

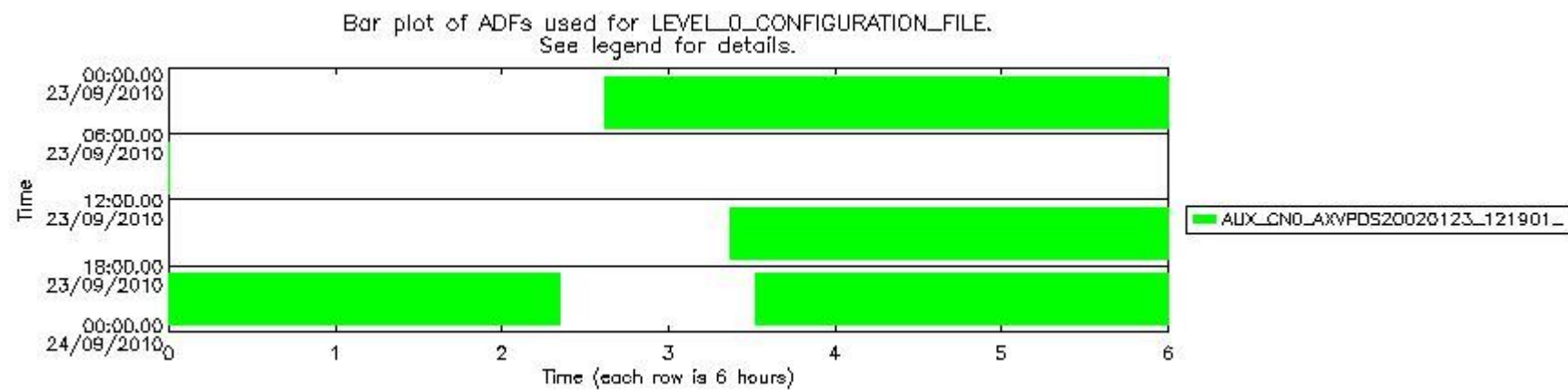
0.4 ADF monitoring

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

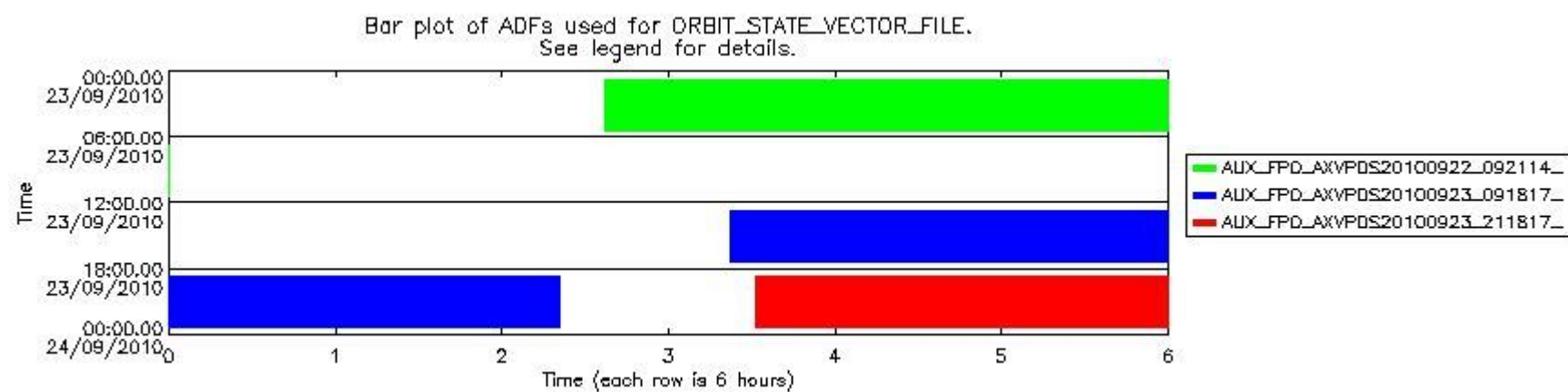
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

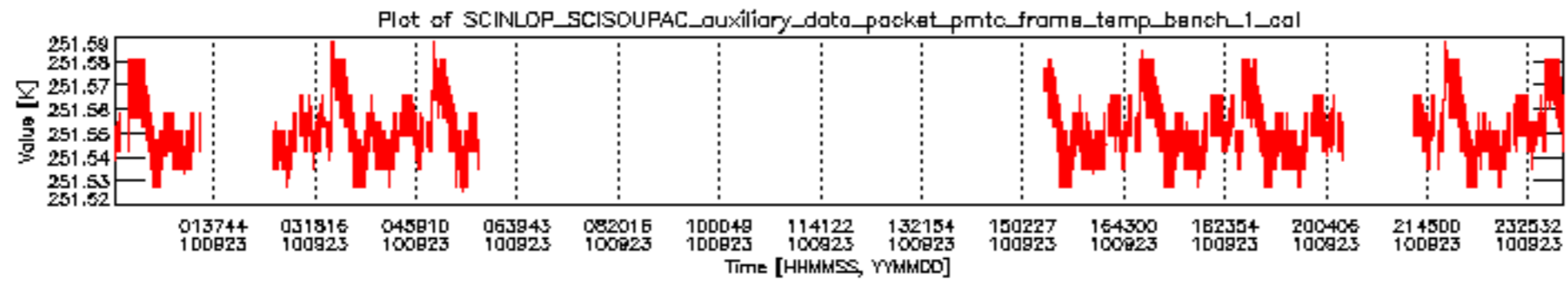
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20100922_092114_20100921_192700_20101001_205312
2	AUX_FPO_AXVPDS20100923_091817_20100922_185523_20101002_202135
3	AUX_FPO_AXVPDS20100923_211817_20100923_114122_20101002_184059

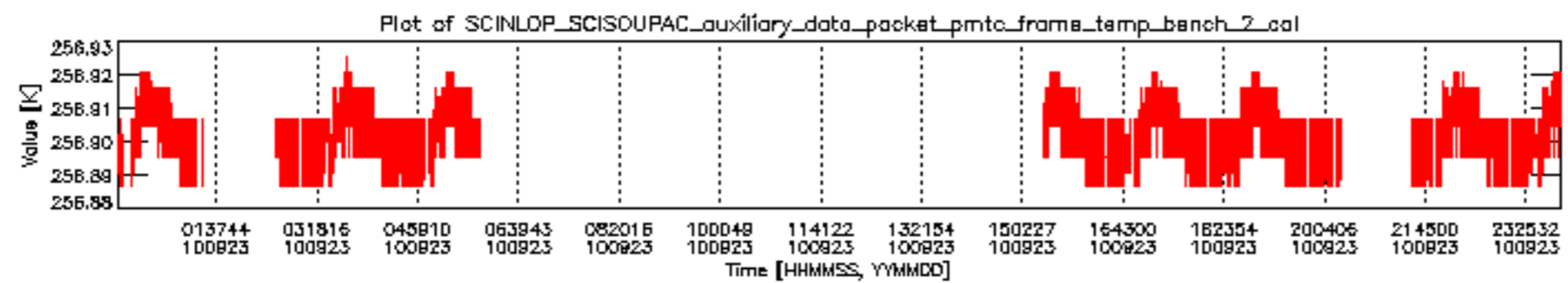


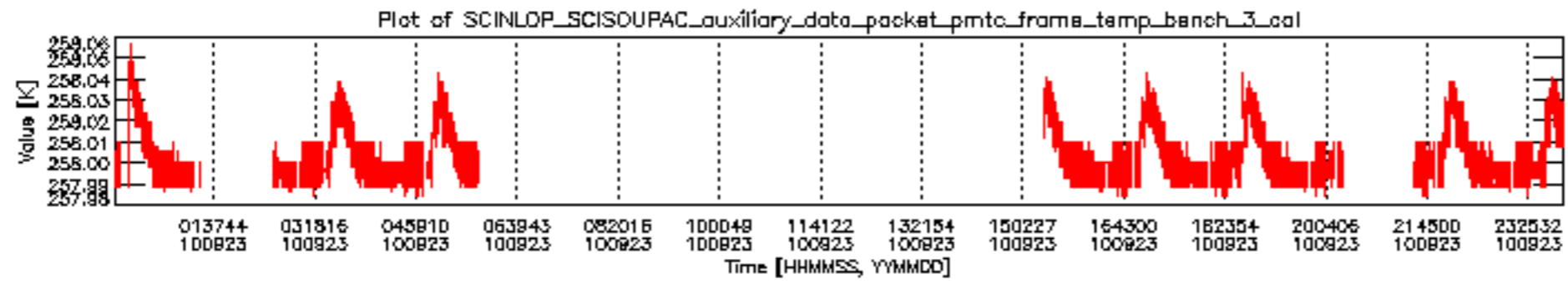
sciamachy_daily_report_level0_Any_version_20100923_7.PNG

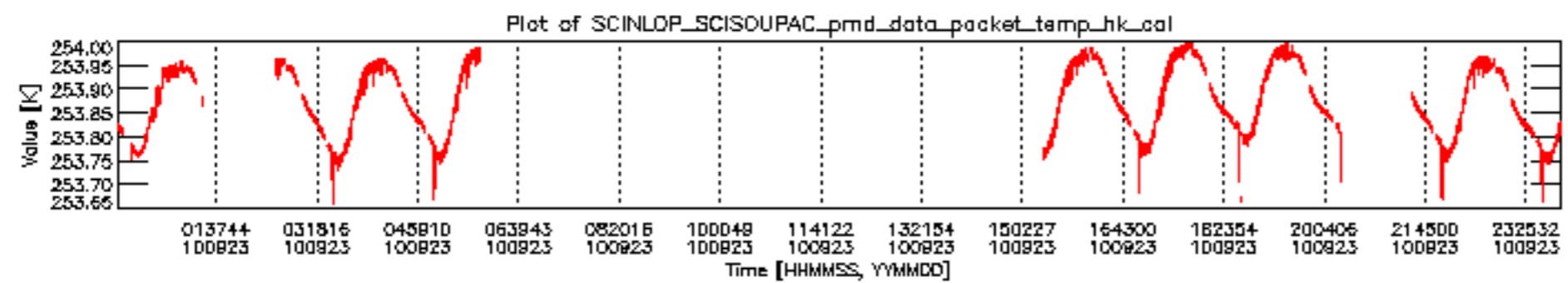


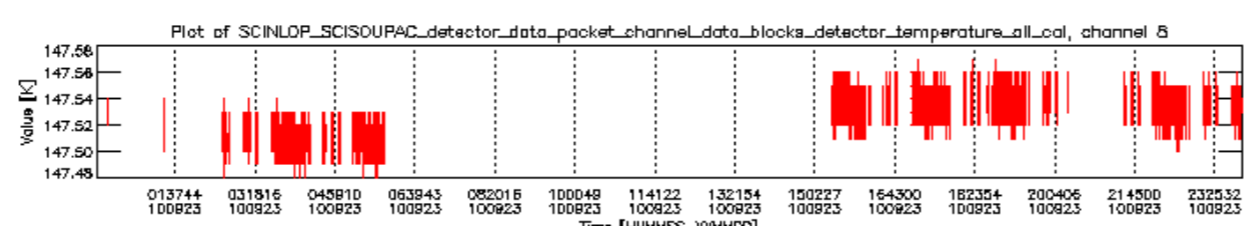
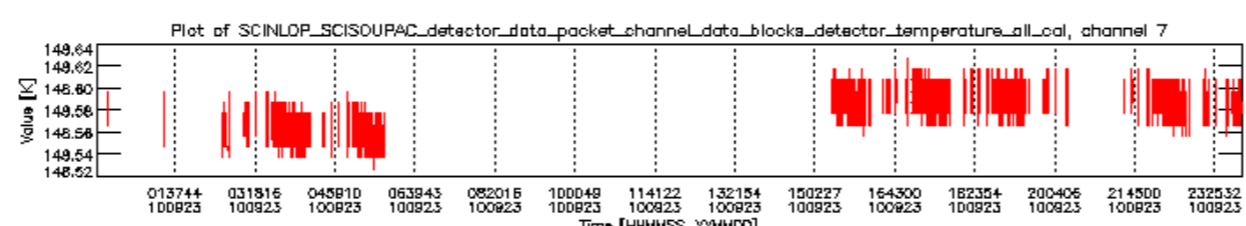
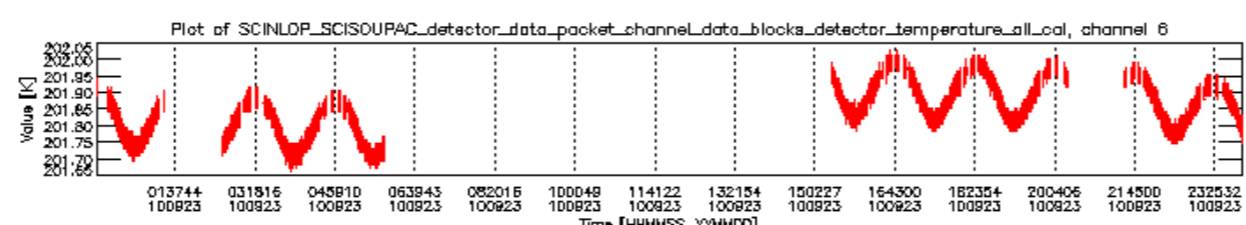
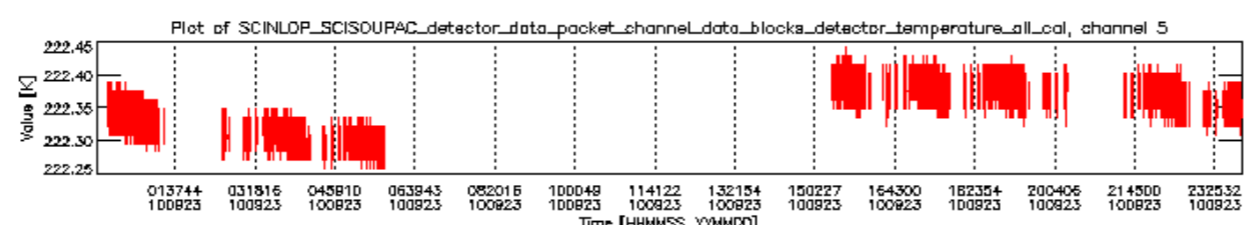
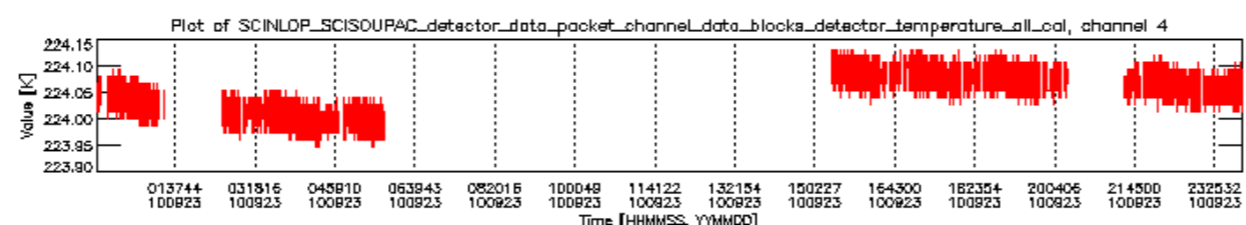
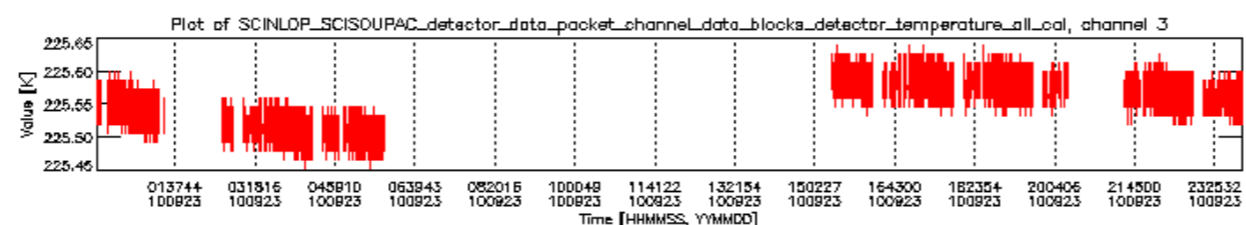
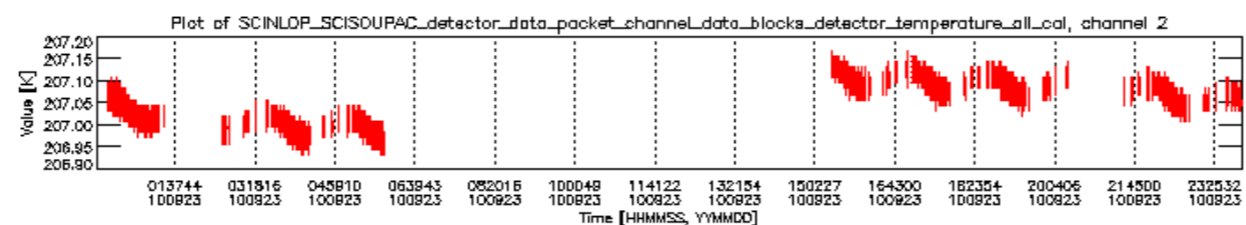
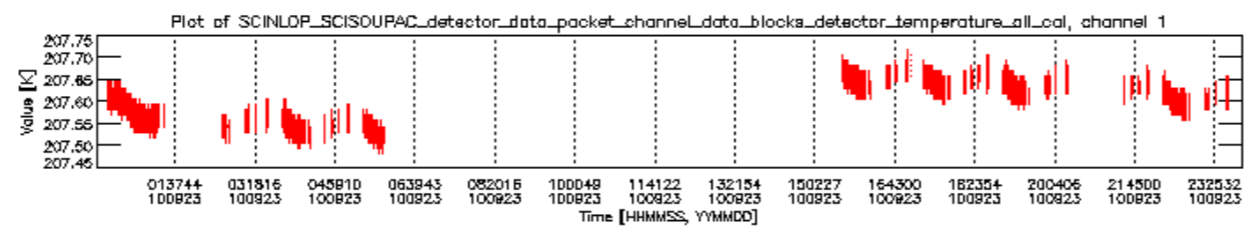
sciamachy_daily_report_level0_Any_version_20100923_8.PNG

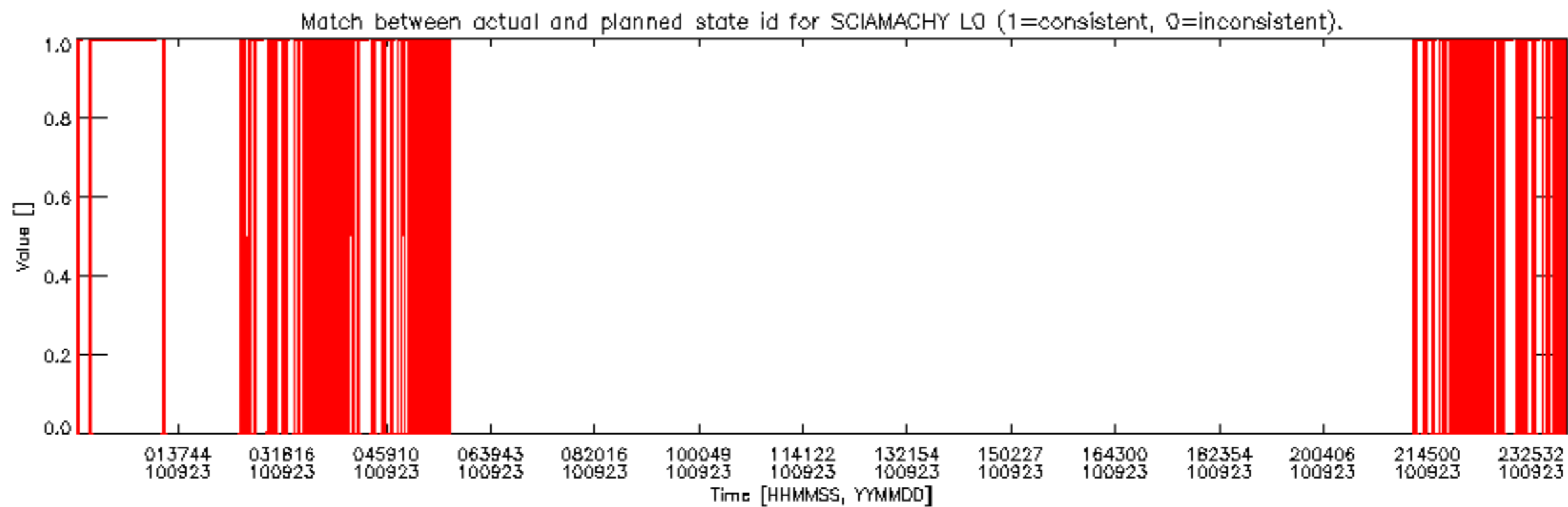
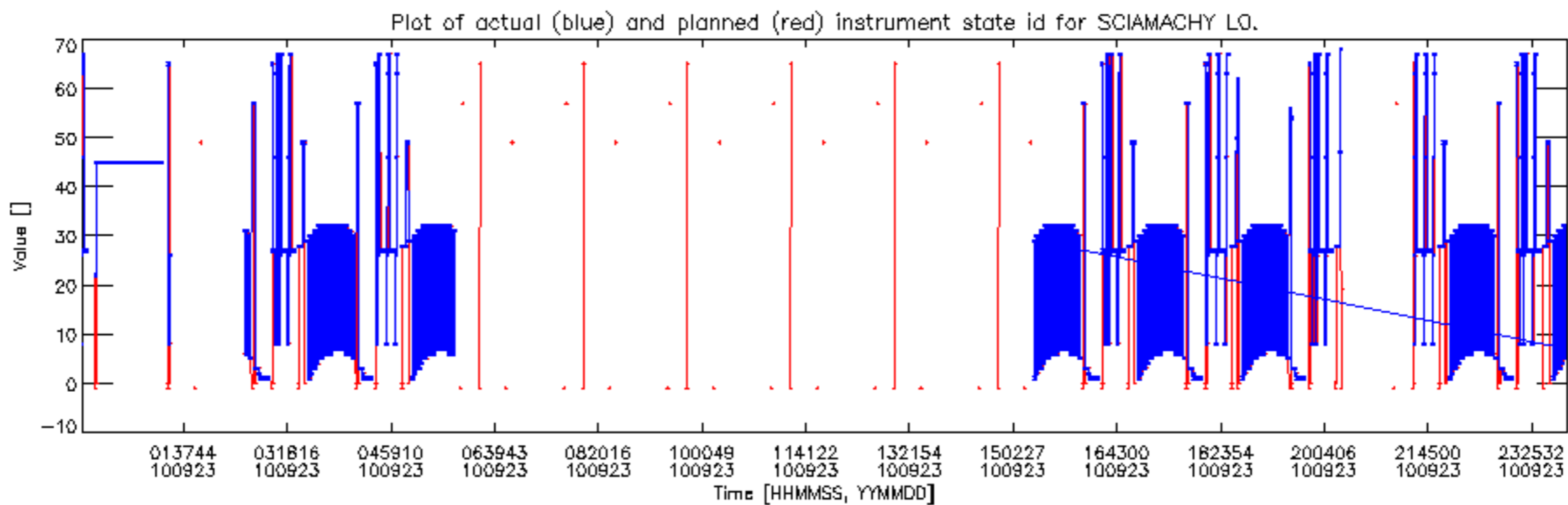












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