

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	v1.4 20100407
Time of report generation	07OCT2010 02:14:48
Data source version	<Any version>
Processing scope for products	30SEP2010 00:00:00 to 01OCT2010 00:00:00
Start time of first product within scope	30SEP2010 01:04:33
Stop time of last product within scope	01OCT2010 00:34:34
Total number of Level 0 products	14
Number of Level 0 products with errors	0

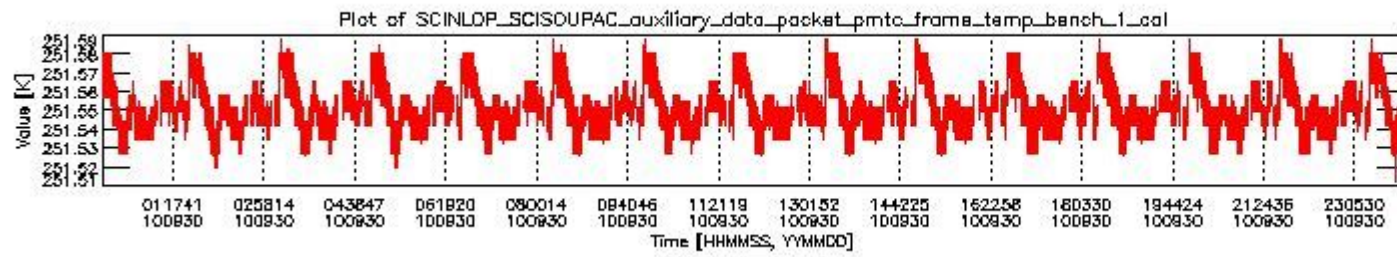
0.1.2 Summary per product

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

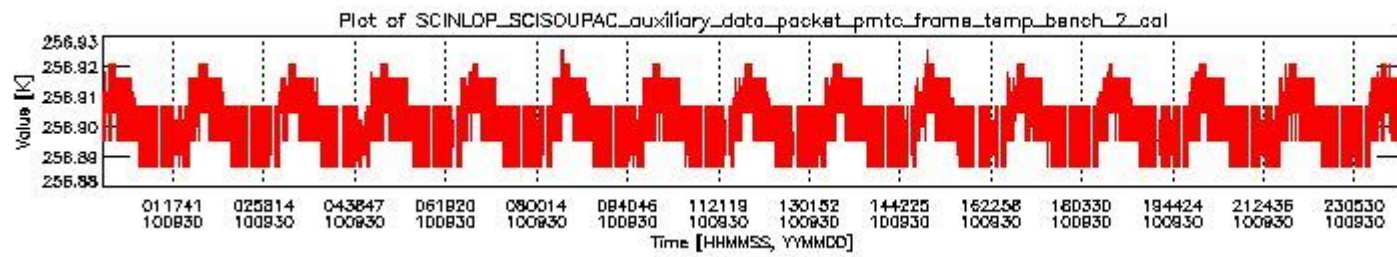
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20100930_010433_000096782093_00231_44874_2439.N1	30SEP2010 01:04:33	30SEP2010 03:45:51	0	0	0	0	0
1	SCI_NL__OPNPDE20100930_034551_000069082093_00233_44876_2440.N1	30SEP2010 03:45:51	30SEP2010 05:40:59	0	0	0	0	0
2	SCI_NL__OPNPDE20100930_054059_000059682093_00234_44877_2441.N1	30SEP2010 05:40:59	30SEP2010 07:20:27	0	0	0	0	0
3	SCI_NL__OPNPDK20100930_072027_000039902093_00235_44878_2630.N1	30SEP2010 07:20:27	30SEP2010 08:26:57	0	0	0	0	0
4	SCI_NL__OPNPDK20100930_082657_000060922093_00236_44879_2631.N1	30SEP2010 08:26:57	30SEP2010 10:08:29	0	0	0	0	0
5	SCI_NL__OPNPDK20100930_100829_000060492093_00237_44880_2632.N1	30SEP2010 10:08:29	30SEP2010 11:49:18	0	0	0	0	0
6	SCI_NL__OPNPDK20100930_114714_000060242093_00238_44881_2633.N1	30SEP2010 11:47:14	30SEP2010 13:27:37	0	0	0	0	0
7	SCI_NL__OPNPDK20100930_132533_000060492093_00239_44882_2634.N1	30SEP2010 13:25:33	30SEP2010 15:06:22	0	0	0	0	0
8	SCI_NL__OPNPDK20100930_150418_000058002093_00240_44883_2635.N1	30SEP2010 15:04:18	30SEP2010 16:40:58	0	0	0	0	0
9	SCI_NL__OPNPDK20100930_163840_000061542093_00241_44884_2636.N1	30SEP2010 16:38:40	30SEP2010 18:21:14	0	0	0	0	0
10	SCI_NL__OPNPDK20100930_181916_000061162093_00242_44885_2637.N1	30SEP2010 18:19:16	30SEP2010 20:01:13	0	0	0	0	0
11	SCI_NL__OPNPDE20100930_195953_000039292093_00243_44886_2442.N1	30SEP2010 19:59:53	30SEP2010 21:05:22	0	0	0	0	0
12	SCI_NL__OPNPDE20100930_211107_000062122093_00243_44886_2443.N1	30SEP2010 21:11:07	30SEP2010 22:54:39	0	0	0	0	0
13	SCI_NL__OPNPDE20100930_225355_000060392093_00244_44887_2444.N1	30SEP2010 22:53:55	01OCT2010 00:34:34	0	0	0	0	0

0.2 Product Quality Indicators

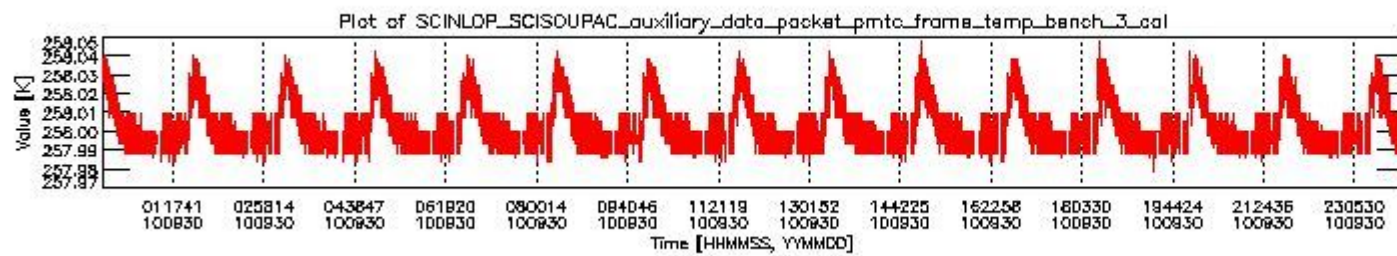
This section shows information about product quality, currently temperatures.



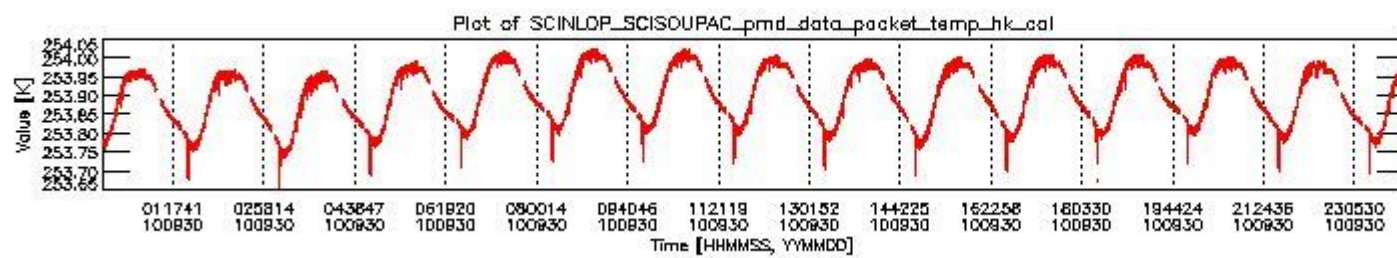
sciamachy_daily_report_level0_Any_version_20100930_0.PNG



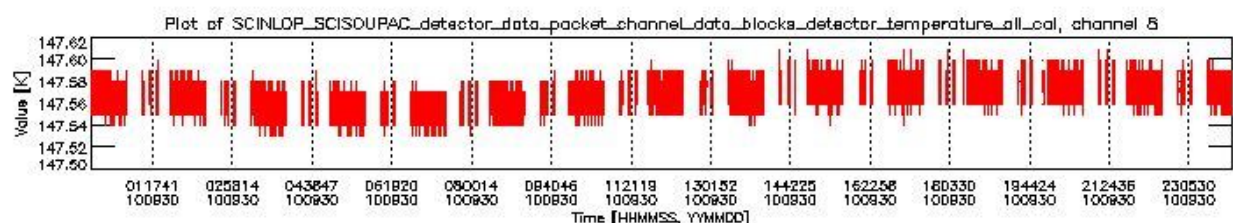
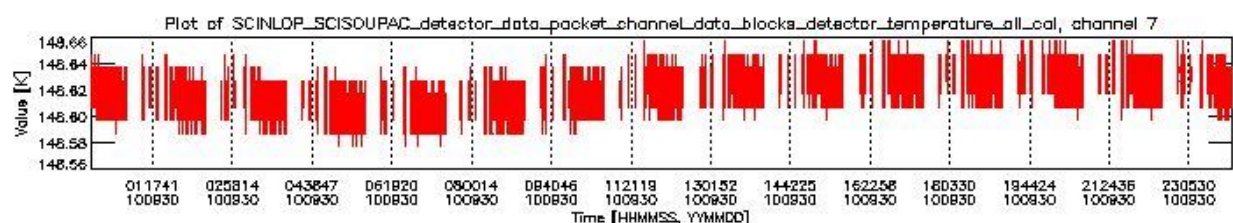
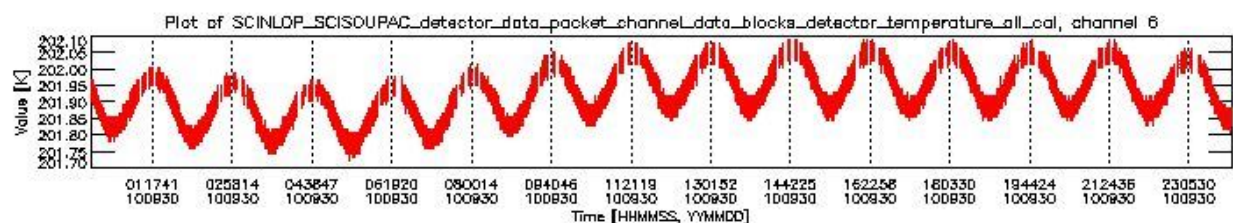
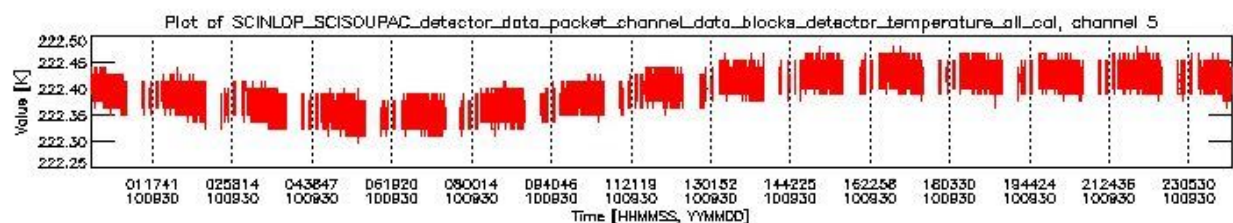
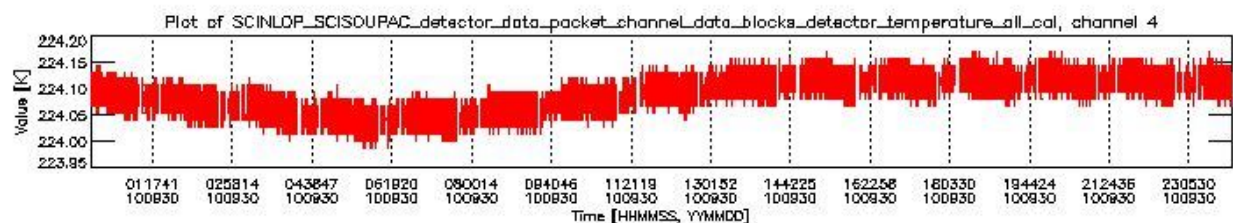
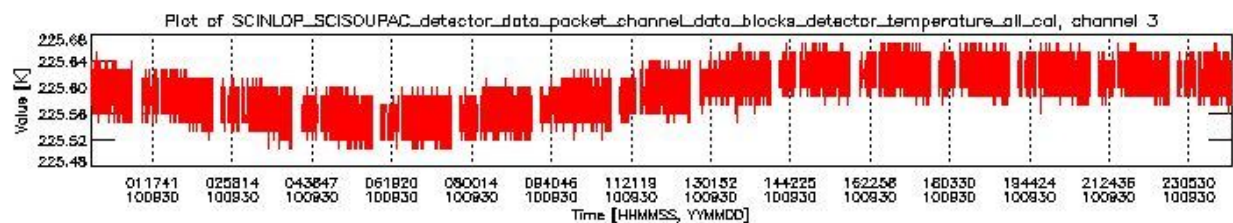
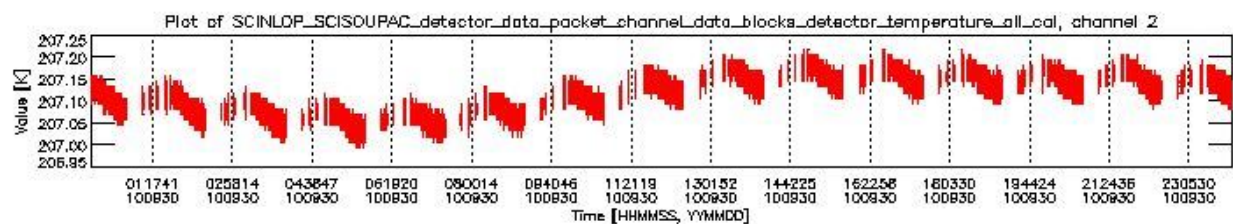
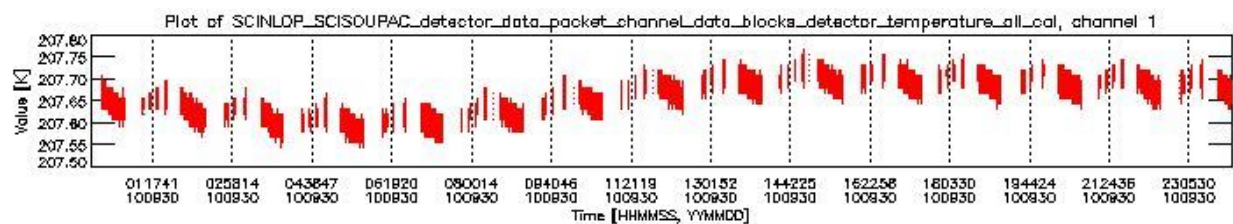
sciamachy_daily_report_level0_Any_version_20100930_1.PNG



sciamachy_daily_report_level0_Any_version_20100930_2.PNG



sciamachy_daily_report_level0_Any_version_20100930_3.PNG

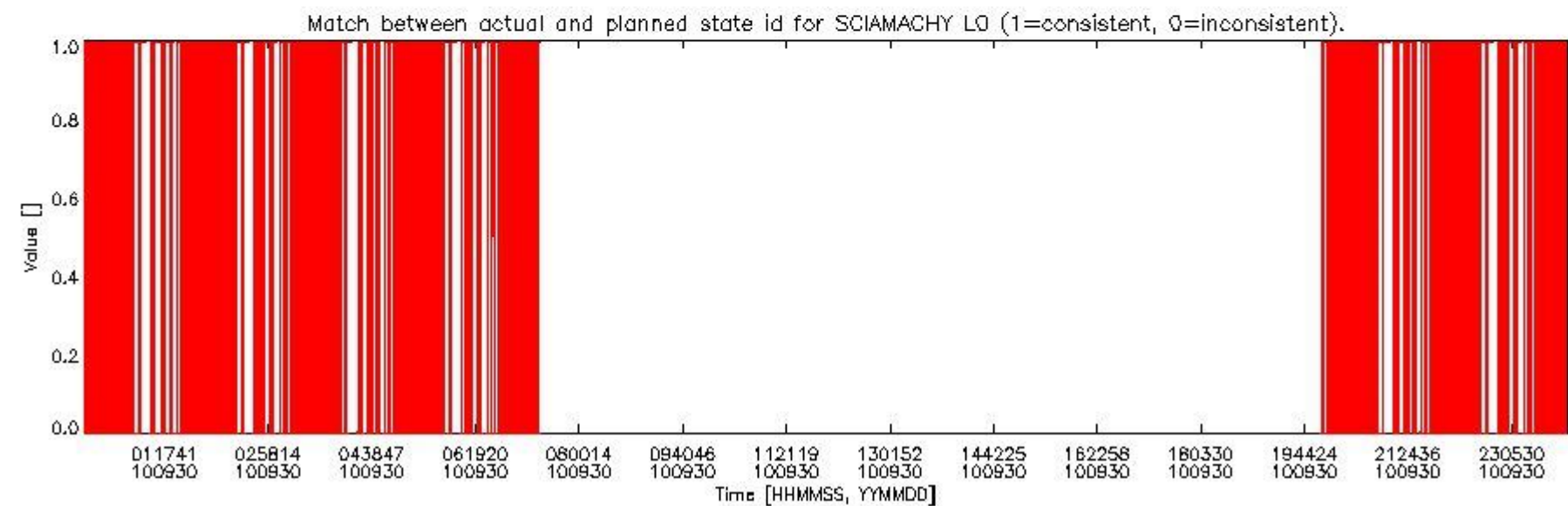
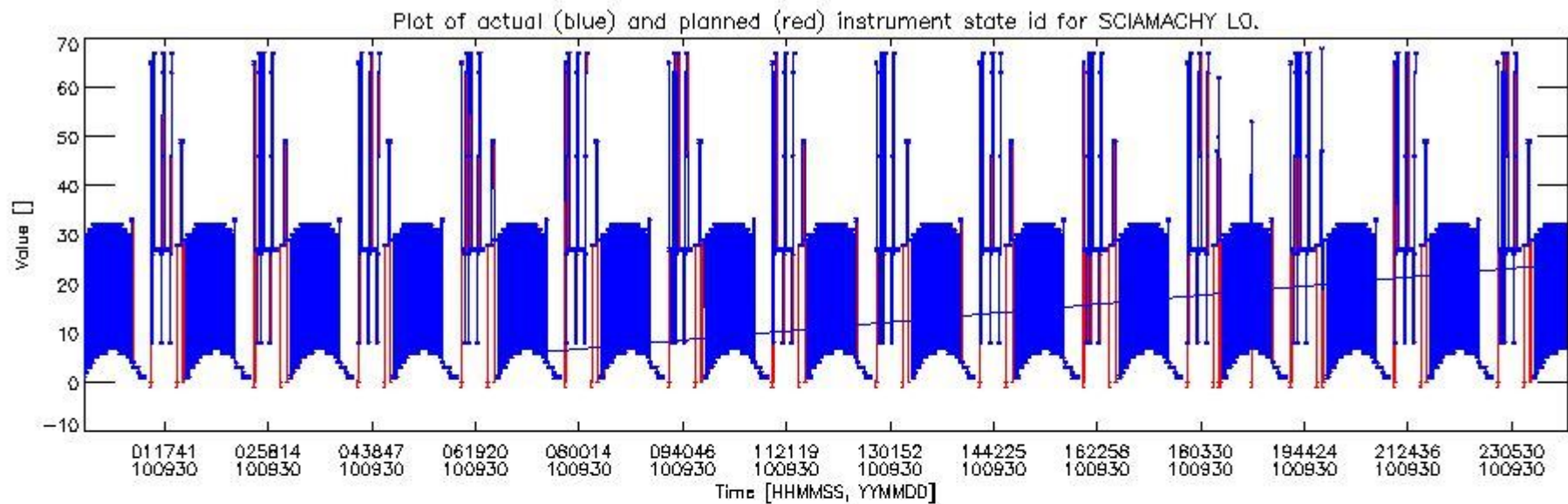


0.3 State monitoring

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: **50547**

#	Actual time	Actual value	Planned time	Planned value
0	30SEP2010 00:00:00.105315	30	30SEP2010 00:00:00.105315	1
1	30SEP2010 00:00:00.480315	30	30SEP2010 00:00:00.480315	1
2	30SEP2010 00:00:00.855315	30	30SEP2010 00:00:00.855315	1
3	30SEP2010 00:00:00.980315	30	30SEP2010 00:00:00.980315	1
4	30SEP2010 00:00:01.417815	30	30SEP2010 00:00:01.417815	1
5	30SEP2010 00:00:01.792815	30	30SEP2010 00:00:01.792815	1
6	30SEP2010 00:00:02.167815	30	30SEP2010 00:00:02.167815	1
7	30SEP2010 00:00:02.542815	30	30SEP2010 00:00:02.542815	1
8	30SEP2010 00:00:03.105315	30	30SEP2010 00:00:03.105315	1
9	30SEP2010 00:00:03.480315	30	30SEP2010 00:00:03.480315	1
10	30SEP2010 00:00:03.855315	30	30SEP2010 00:00:03.855315	1
11	30SEP2010 00:00:04.230315	30	30SEP2010 00:00:04.230315	1
12	30SEP2010 00:00:04.792815	30	30SEP2010 00:00:04.792815	1
13	30SEP2010 00:00:05.167815	30	30SEP2010 00:00:05.167815	1
14	30SEP2010 00:00:05.542815	30	30SEP2010 00:00:05.542815	1
15	30SEP2010 00:00:05.917815	30	30SEP2010 00:00:05.917815	1
16	30SEP2010 00:00:05.980315	30	30SEP2010 00:00:05.980315	1
17	30SEP2010 00:00:06.480315	30	30SEP2010 00:00:06.480315	1
18	30SEP2010 00:00:06.855315	30	30SEP2010 00:00:06.855315	1
19	30SEP2010 00:00:41.851416	2	30SEP2010 00:00:41.851416	30

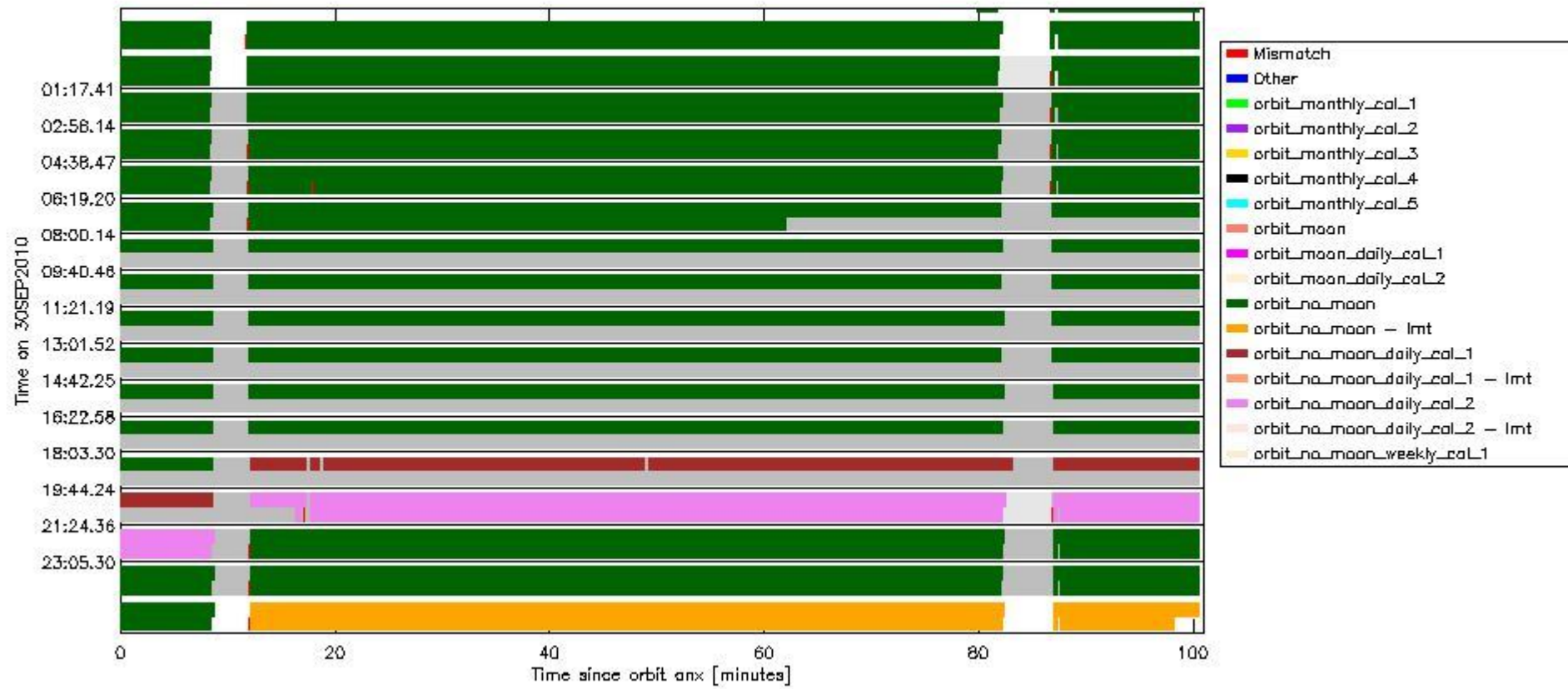


sciamachy_daily_report_level0_Any_version_20100930_5.PNG

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 30SEP2010.
 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_20100930_6.PNG

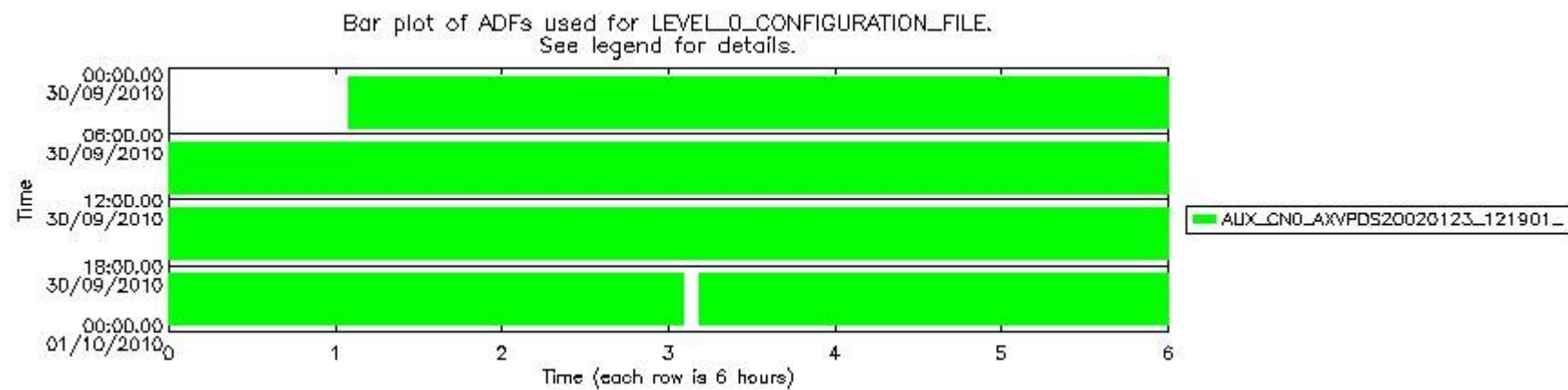
0.4 ADF monitoring

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

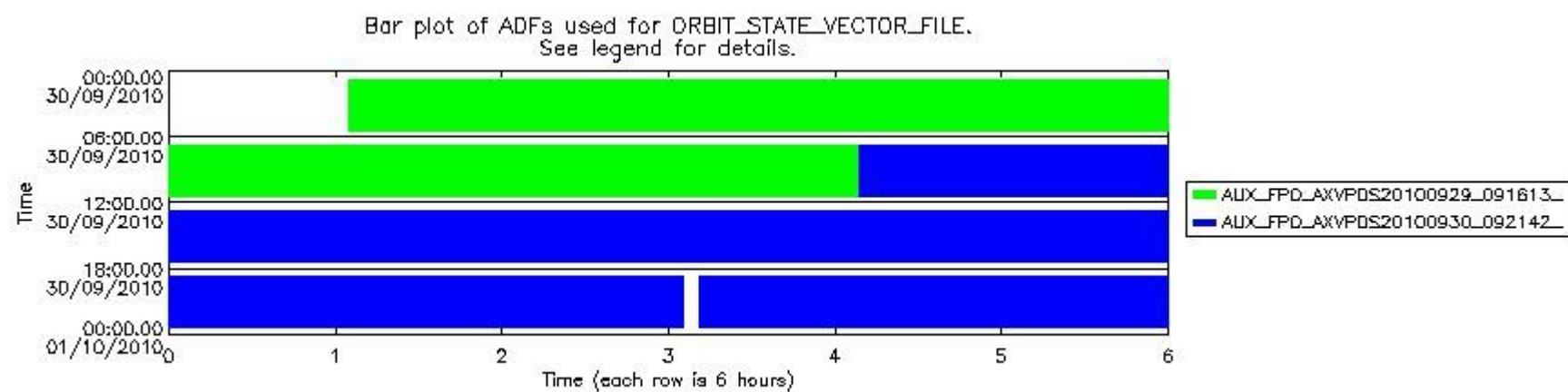
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

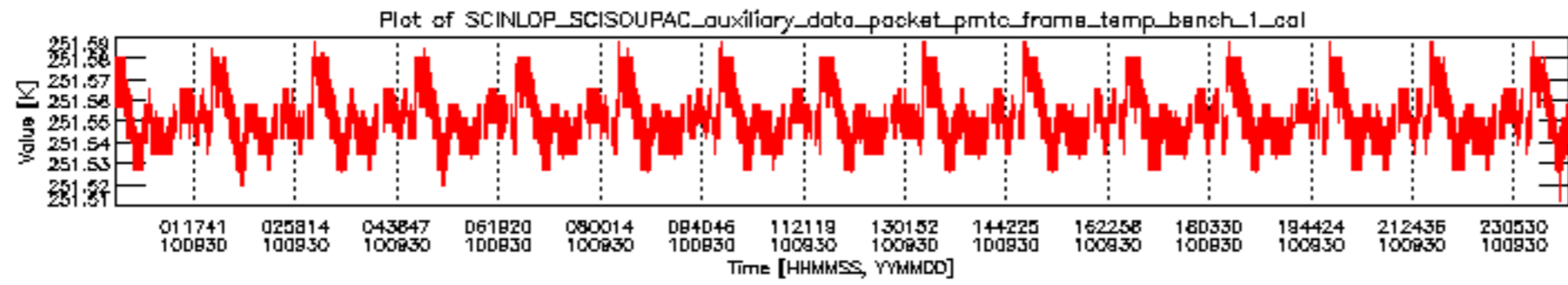
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20100929_091613_20100928_190652_20101008_203304
2	AUX_FPO_AXVPDS20100930_092142_20100929_183515_20101009_200126

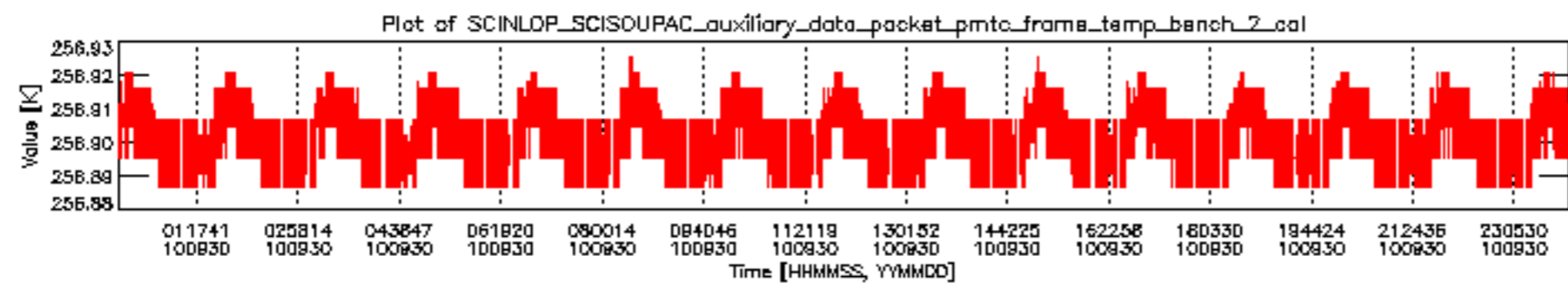


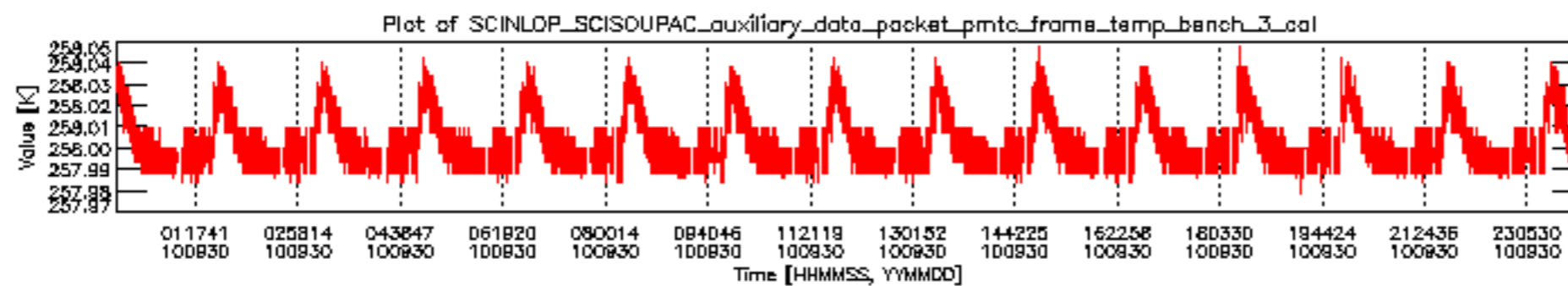
sciamachy_daily_report_level0_Any_version_20100930_7.PNG

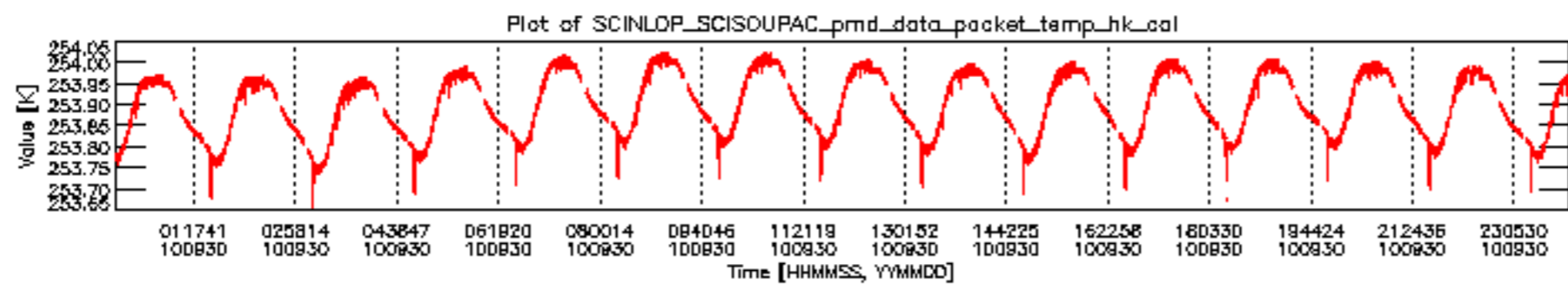


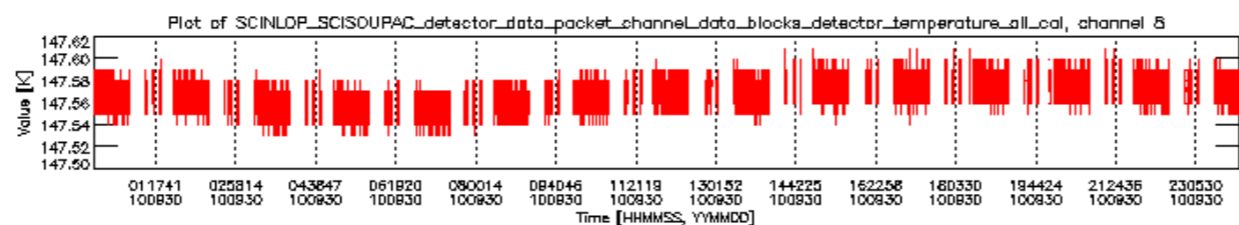
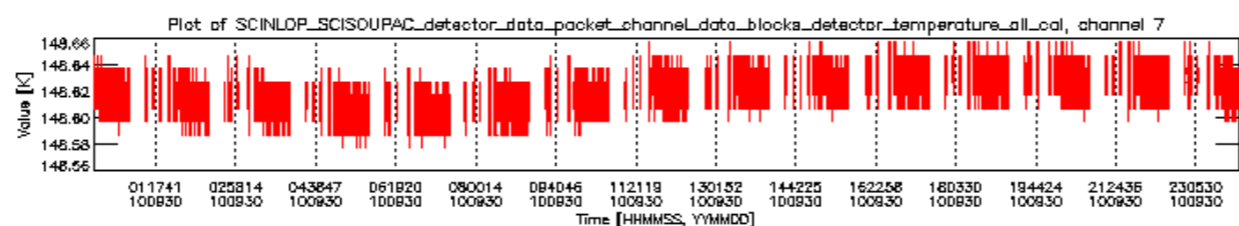
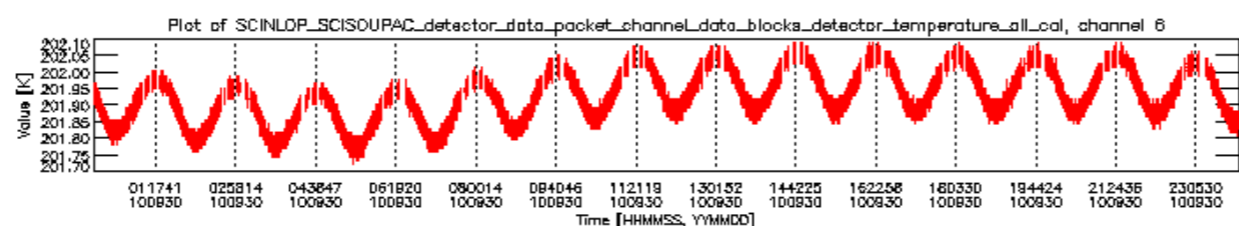
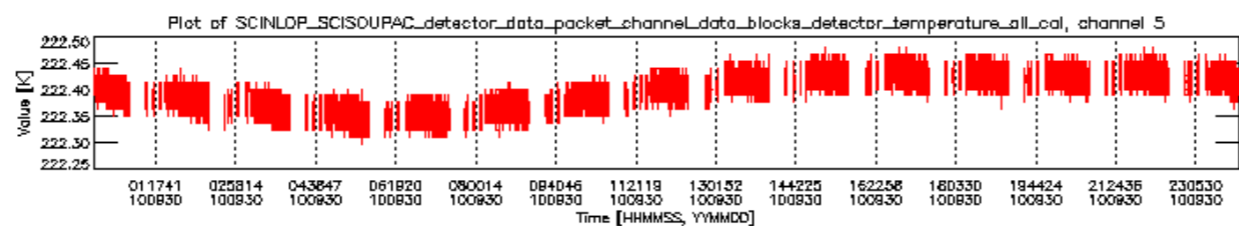
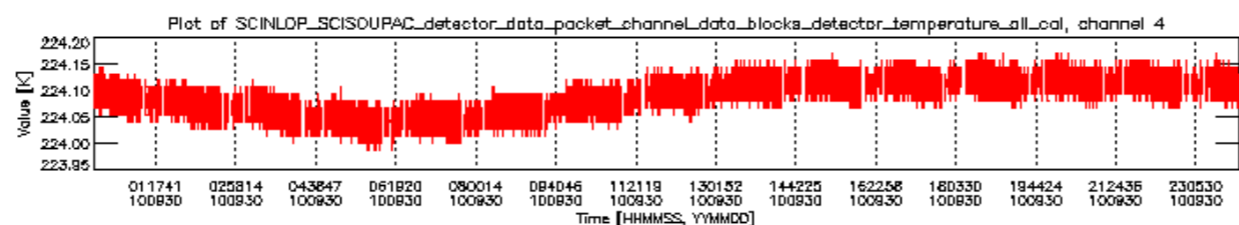
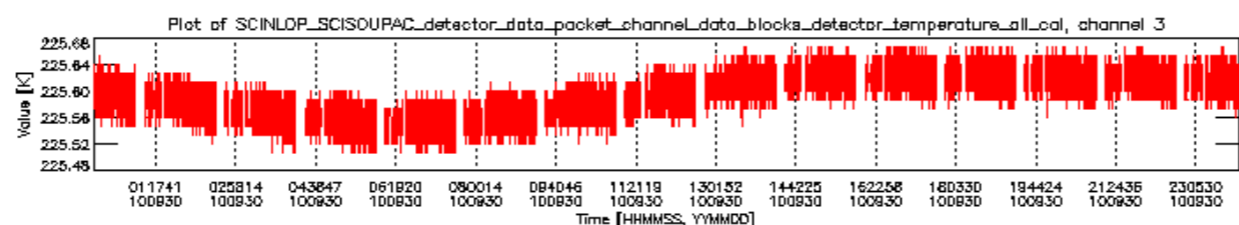
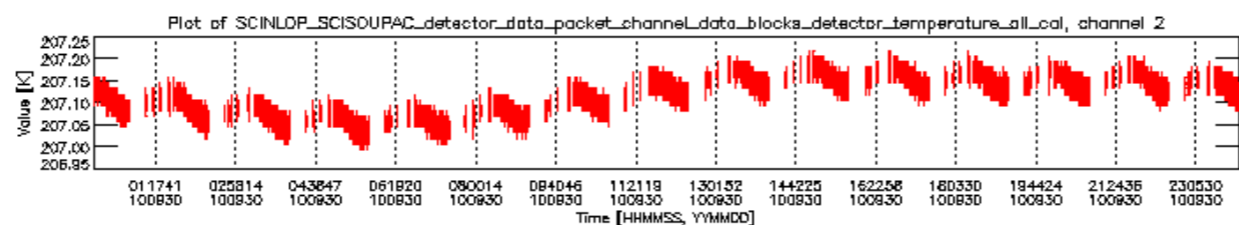
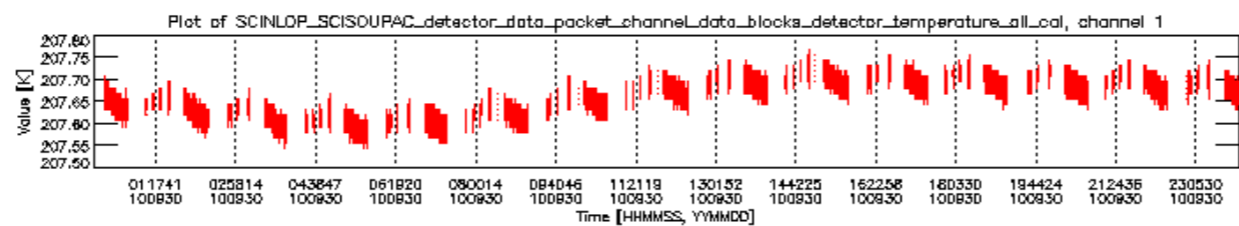
sciamachy_daily_report_level0_Any_version_20100930_8.PNG

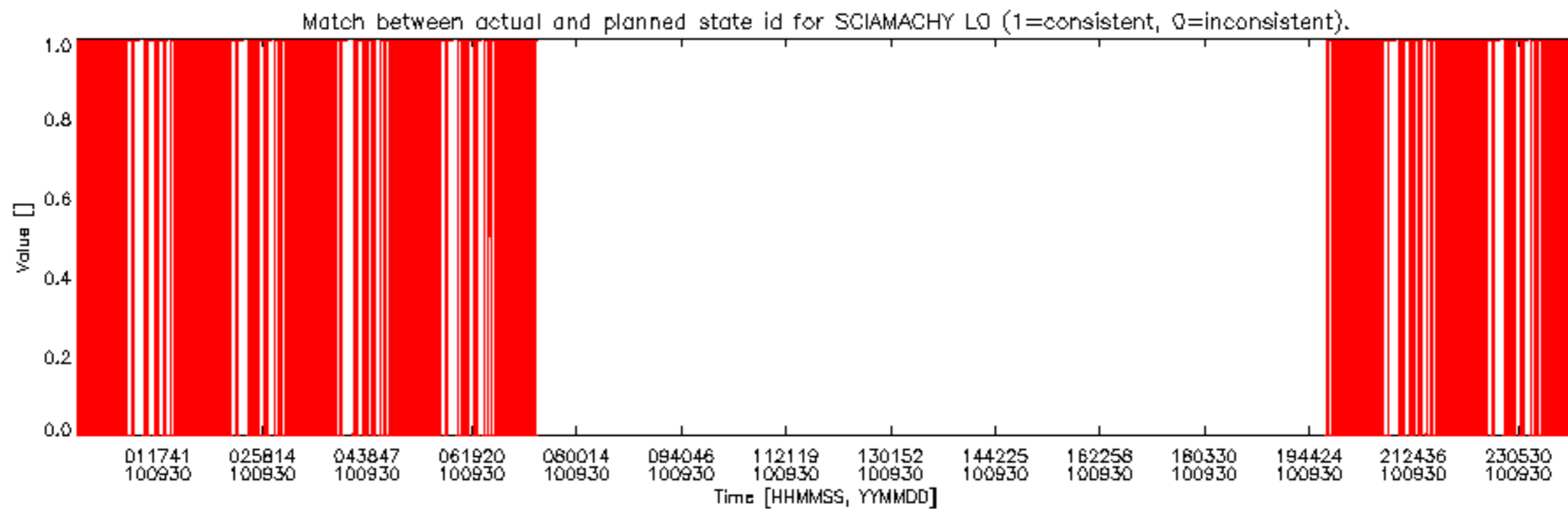
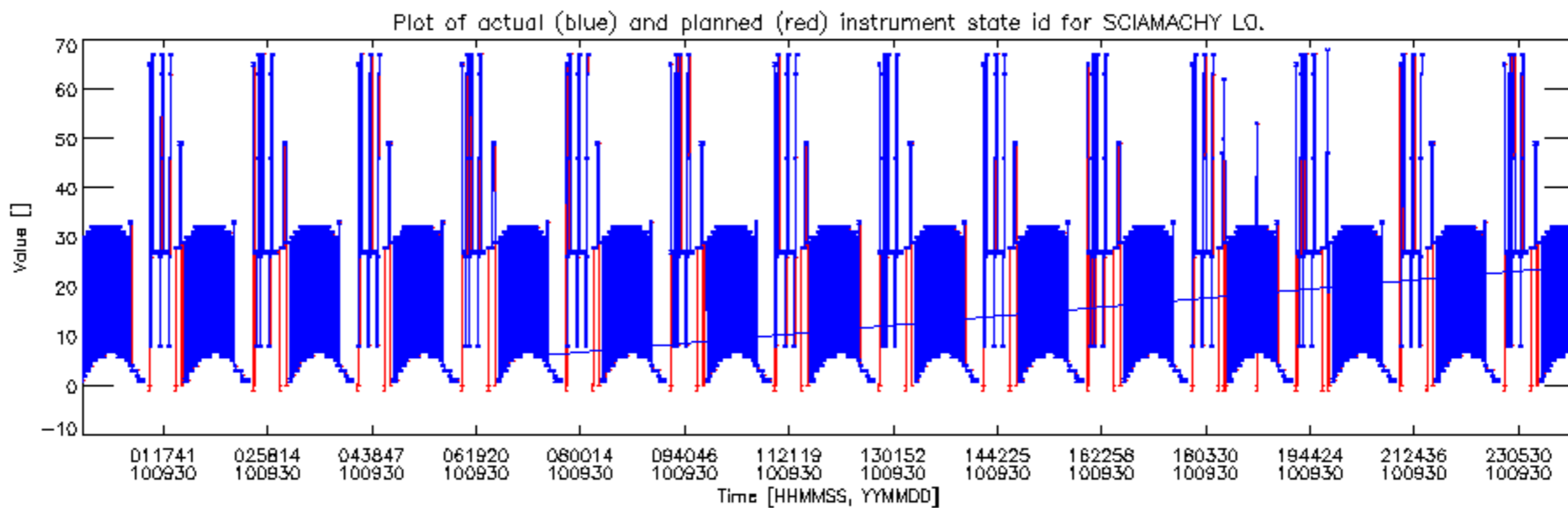












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