

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	04OCT2007 07:13:19
Data source version	KSPT_L0/4302-N
Processing scope for products	30SEP2007 00:00:00 to 01OCT2007 00:00:00
Start time of first product within scope	29SEP2007 22:29:31
Stop time of last product within scope	01OCT2007 01:19:14
Total number of level 0 products	17
Number of level 0 products with errors	0

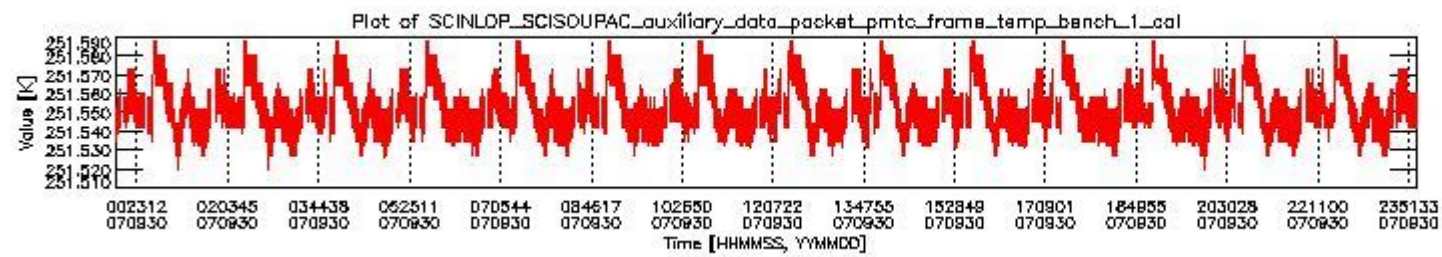
0.1.2 Summary per product

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

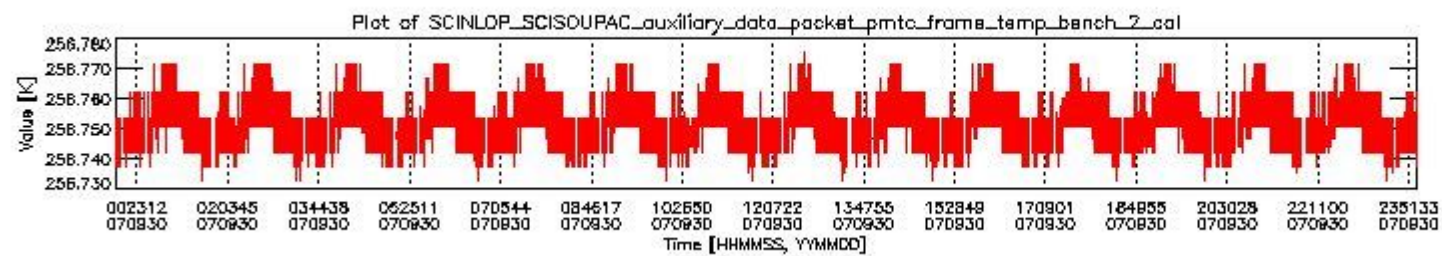
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20070929_222931_000062122062_00072_29184_5273.N1	29SEP2007 22:29:31	30SEP2007 00:13:03	0	0	0	0	0
1	SCI_NL__OPNPDE20070930_001136_000055402062_00073_29185_5274.N1	30SEP2007 00:11:36	30SEP2007 01:43:56	0	0	0	0	0
2	SCI_NL__OPNPDE20070930_015000_000043772062_00074_29186_5275.N1	30SEP2007 01:50:00	30SEP2007 03:02:57	0	0	0	0	0
3	SCI_NL__OPNPDE20070930_030149_000062172062_00075_29187_5276.N1	30SEP2007 03:01:49	30SEP2007 04:45:25	0	0	0	0	0
4	SCI_NL__OPNPDE20070930_044429_000060372062_00076_29188_5277.N1	30SEP2007 04:44:29	30SEP2007 06:25:06	0	0	0	0	0
5	SCI_NL__OPNPDK20070930_062506_000041012062_00077_29189_6217.N1	30SEP2007 06:25:06	30SEP2007 07:33:28	0	0	0	0	0
6	SCI_NL__OPNPDK20070930_073328_000061052062_00078_29190_6218.N1	30SEP2007 07:33:28	30SEP2007 09:15:13	0	0	0	0	0
7	SCI_NL__OPNPDK20070930_091417_000060242062_00079_29191_6219.N1	30SEP2007 09:14:17	30SEP2007 10:54:40	0	0	0	0	0
8	SCI_NL__OPNPDK20070930_105236_000061052062_00080_29192_6220.N1	30SEP2007 10:52:36	30SEP2007 12:34:21	0	0	0	0	0
9	SCI_NL__OPNPDK20070930_123325_000059682062_00081_29193_6221.N1	30SEP2007 12:33:25	30SEP2007 14:12:53	0	0	0	0	0
10	SCI_NL__OPNPDK20070930_141144_000058562062_00082_29194_6222.N1	30SEP2007 14:11:44	30SEP2007 15:49:21	0	0	0	0	0
11	SCI_NL__OPNPDK20070930_154825_000060572062_00083_29195_6223.N1	30SEP2007 15:48:25	30SEP2007 17:29:21	0	0	0	0	0
12	SCI_NL__OPNPDK20070930_172729_000060372062_00084_29196_6224.N1	30SEP2007 17:27:29	30SEP2007 19:08:06	0	0	0	0	0
13	SCI_NL__OPNPDK20070930_190725_000059192062_00085_29197_6225.N1	30SEP2007 19:07:25	30SEP2007 20:46:05	0	0	0	0	0
14	SCI_NL__OPNPDE20070930_204605_000043612062_00086_29198_5278.N1	30SEP2007 20:46:05	30SEP2007 21:58:45	0	0	0	0	0
15	SCI_NL__OPNPDE20070930_215802_000061242062_00086_29198_5279.N1	30SEP2007 21:58:02	30SEP2007 23:40:06	0	0	0	0	0
16	SCI_NL__OPNPDE20070930_233922_000059922062_00087_29199_5280.N1	30SEP2007 23:39:22	01OCT2007 01:19:14	0	0	0	0	0

0.2 Product Quality Indicators

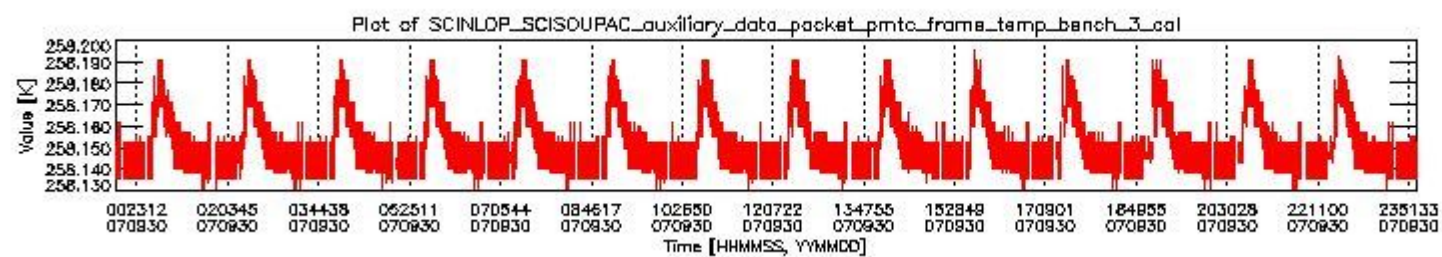
This section shows information about product quality, currently temperatures.



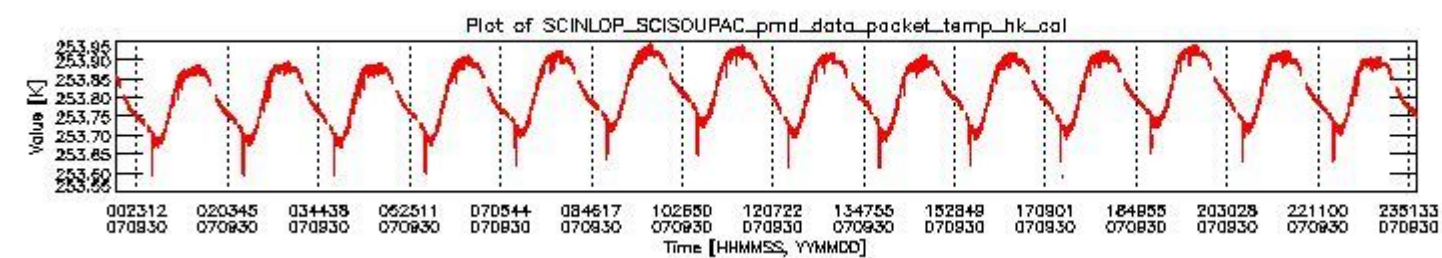
sciamachy_daily_report_level0_KSPT_L0_4302_N_20070930_0.PNG



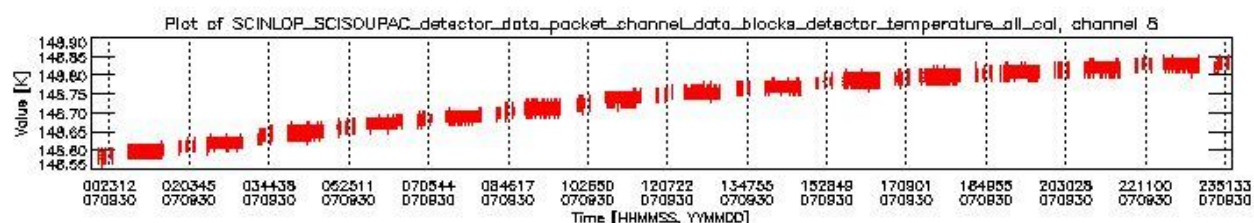
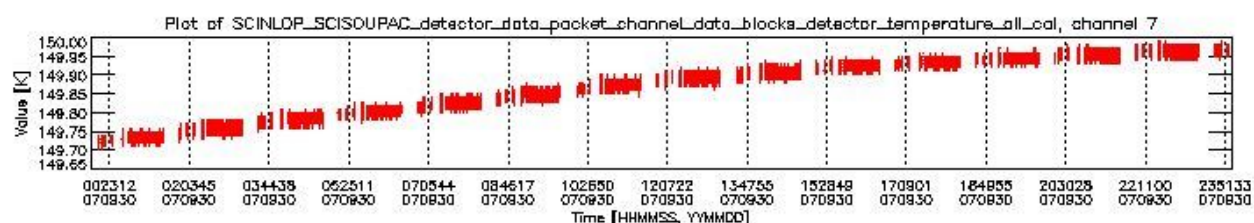
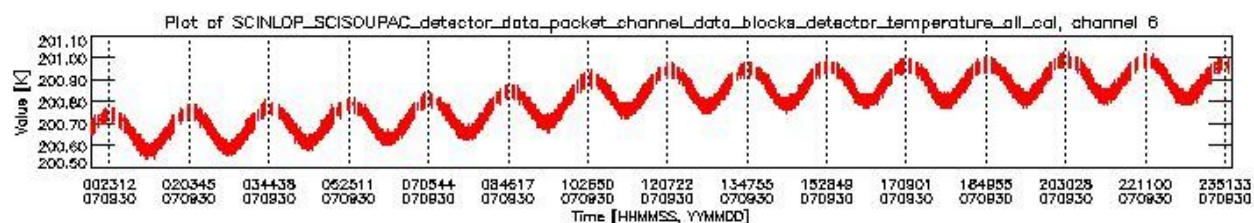
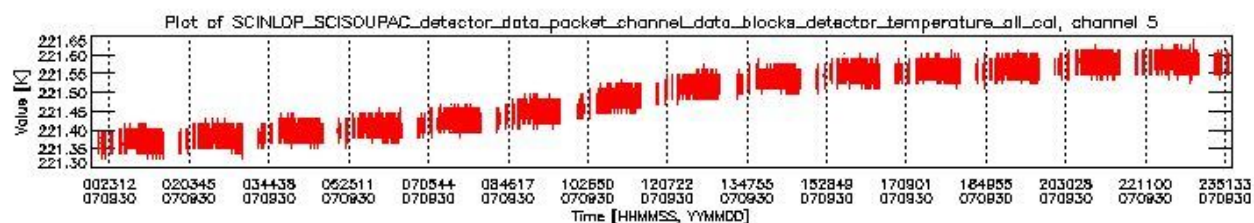
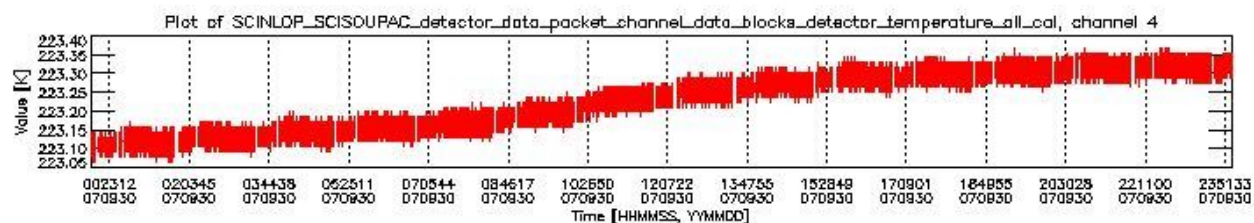
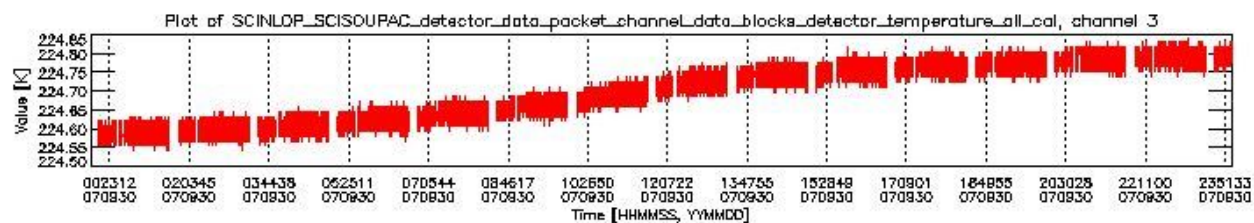
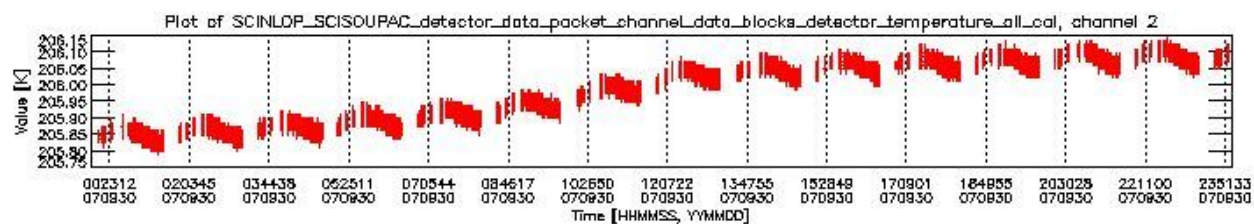
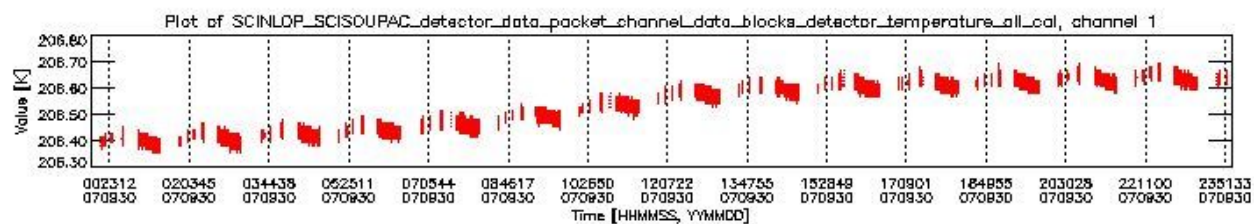
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sciamachy_daily_report_level0_KSPT_L0_4302_N_20070930_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4302_N_20070930_3.PNG

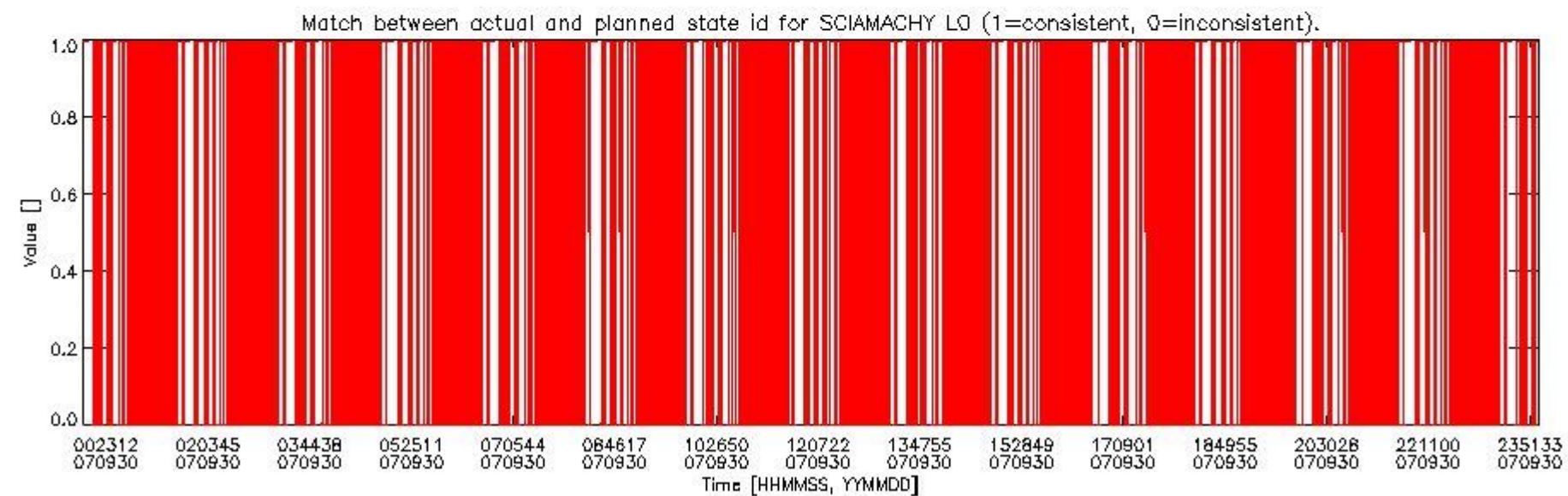
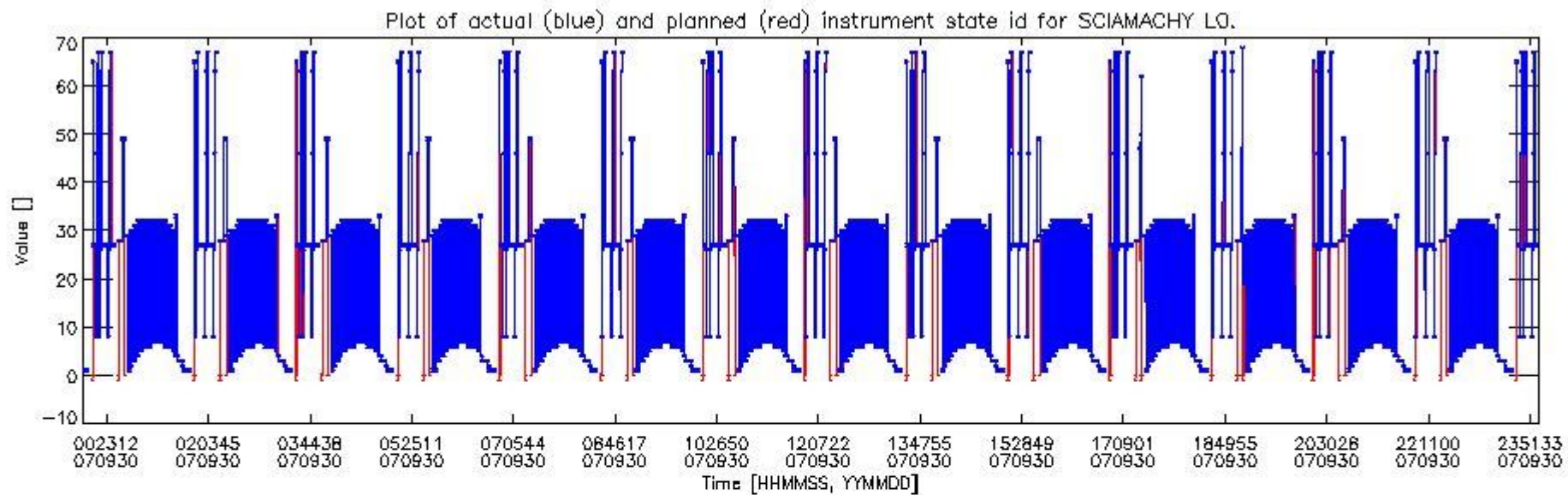


0.3 State monitoring

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: **32812**

#	Actual time	Actual value	Planned time	Planned value
0	30SEP2007 00:09:24.495751	65	30SEP2007 00:09:24.495751	0
1	30SEP2007 00:09:25.120733	65	30SEP2007 00:09:25.120733	0
2	30SEP2007 00:09:25.620750	65	30SEP2007 00:09:25.620750	0
3	30SEP2007 00:09:26.120727	65	30SEP2007 00:09:26.120727	0
4	30SEP2007 00:09:26.620745	65	30SEP2007 00:09:26.620745	0
5	30SEP2007 00:09:27.120722	65	30SEP2007 00:09:27.120722	0
6	30SEP2007 00:09:27.620739	65	30SEP2007 00:09:27.620739	0
7	30SEP2007 00:09:28.120717	65	30SEP2007 00:09:28.120717	0
8	30SEP2007 00:09:28.620734	65	30SEP2007 00:09:28.620734	0
9	30SEP2007 00:09:29.120751	65	30SEP2007 00:09:29.120751	0
10	30SEP2007 00:09:29.495724	65	30SEP2007 00:09:29.495724	0
11	30SEP2007 00:10:08.245745	27	30SEP2007 00:10:08.245745	0
12	30SEP2007 00:10:09.245740	27	30SEP2007 00:10:09.245740	0
13	30SEP2007 00:10:10.183252	27	30SEP2007 00:10:10.183252	0
14	30SEP2007 00:10:10.933238	27	30SEP2007 00:10:10.933238	0
15	30SEP2007 00:10:11.870751	27	30SEP2007 00:10:11.870751	0
16	30SEP2007 00:10:12.620737	27	30SEP2007 00:10:12.620737	0
17	30SEP2007 00:10:13.245718	27	30SEP2007 00:10:13.245718	0
18	30SEP2007 00:10:13.558249	27	30SEP2007 00:10:13.558249	0
19	30SEP2007 00:10:14.308235	27	30SEP2007 00:10:14.308235	0

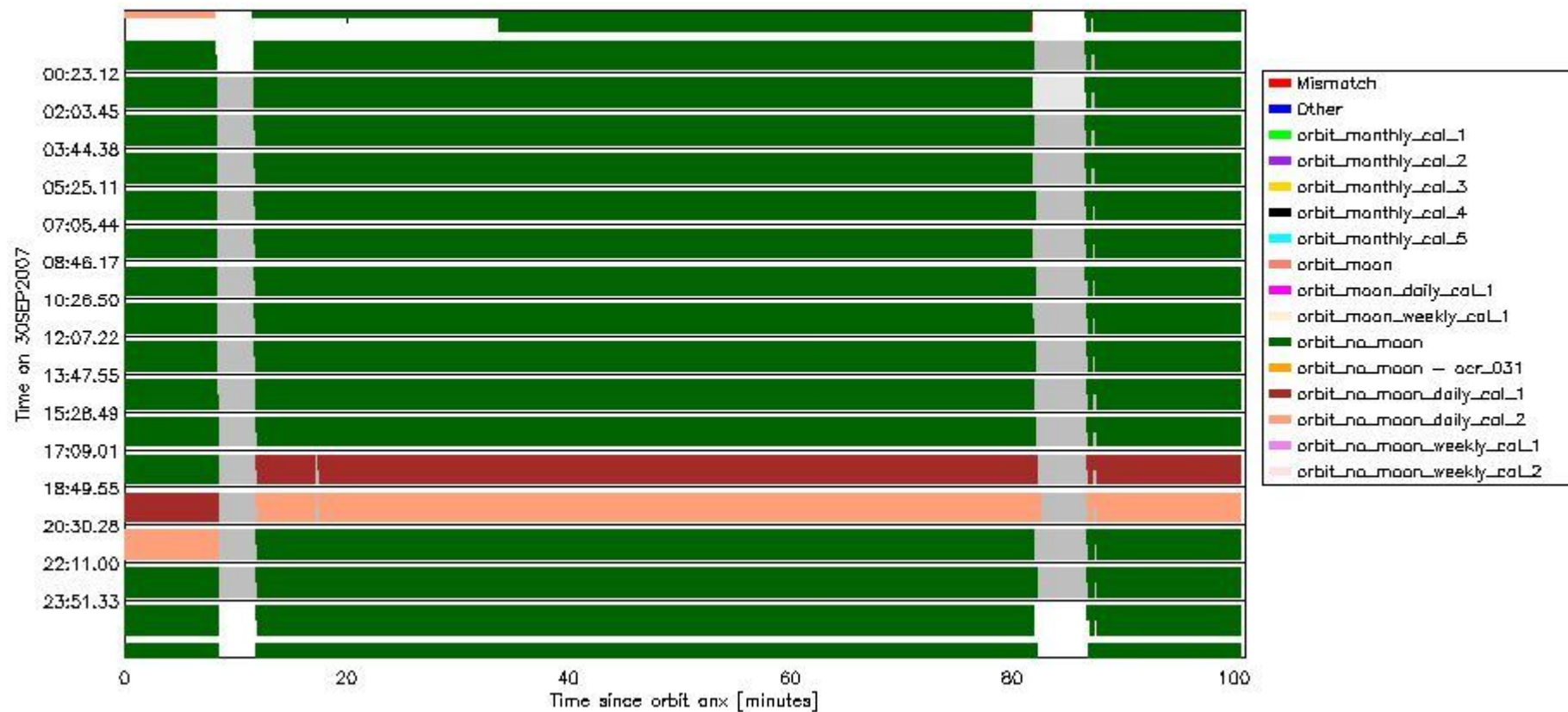


sciamachy_daily_report_level0_KSPT_L0_4302_N_20070930_5.PNG

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 30SEP2007.
 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_20070930_6.PNG

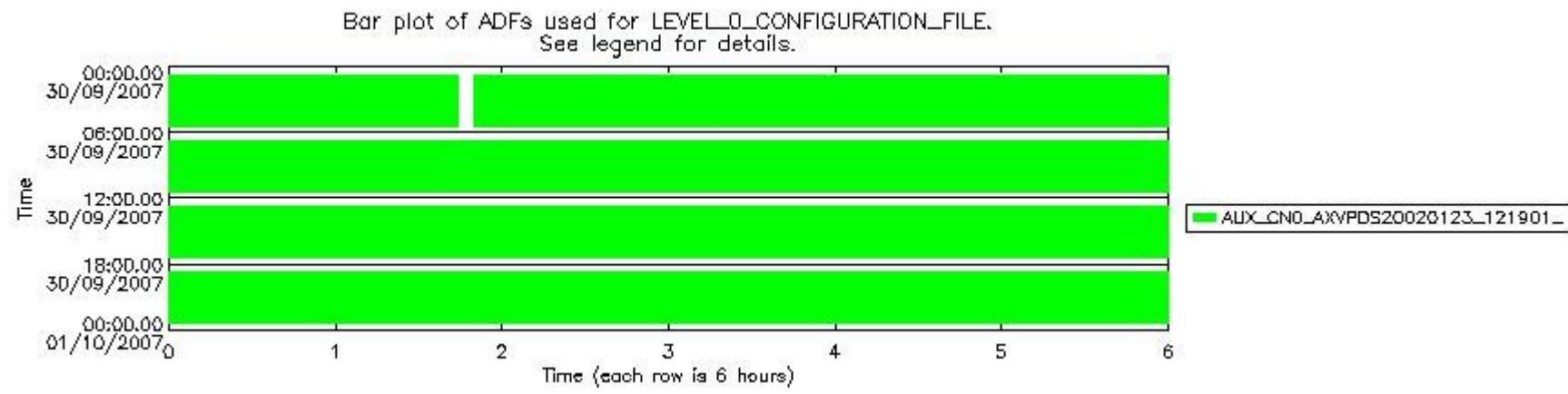
0.4 ADF monitoring

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

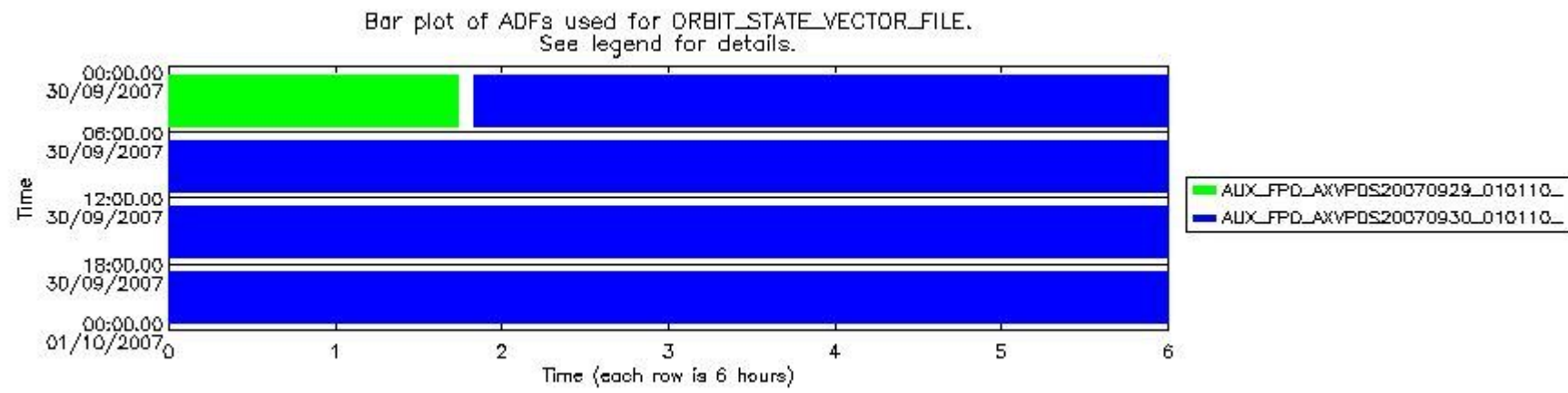
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

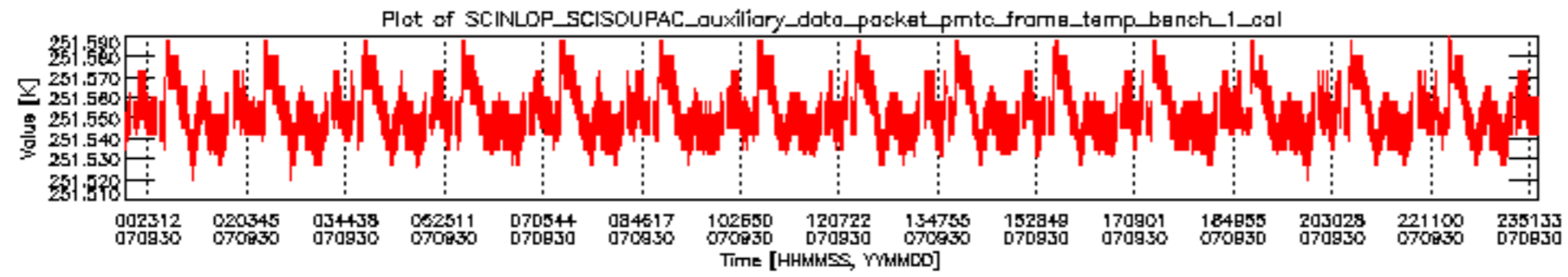
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20070929_010110_20070928_195304_20071008_211918
2	AUX_FPO_AXVPDS20070930_010110_20070929_192127_20071009_204741

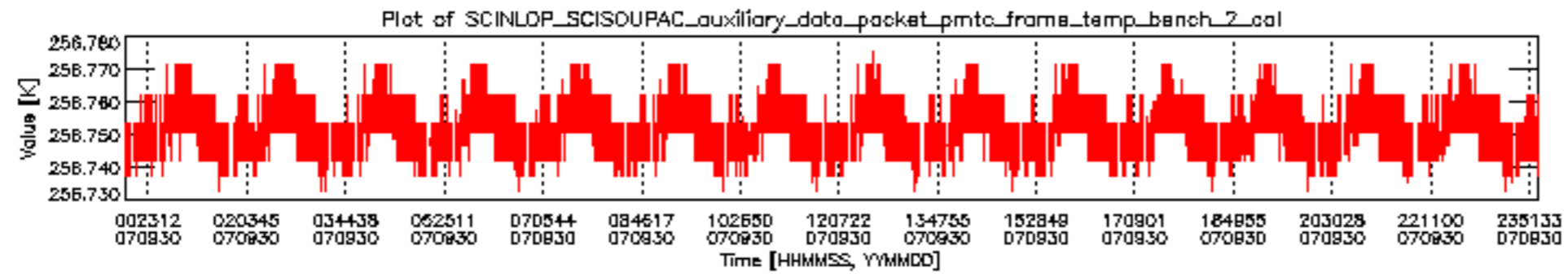


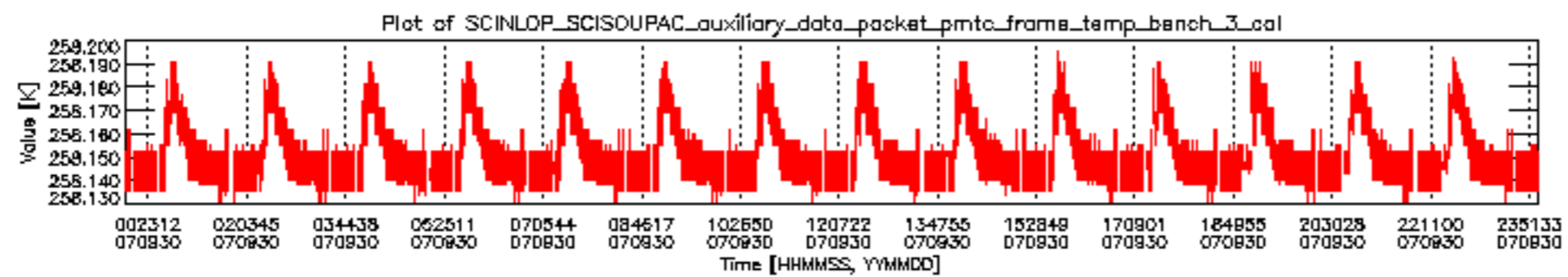
sciamachy_daily_report_level0_KSPT_L0_4302_N_20070930_7.PNG

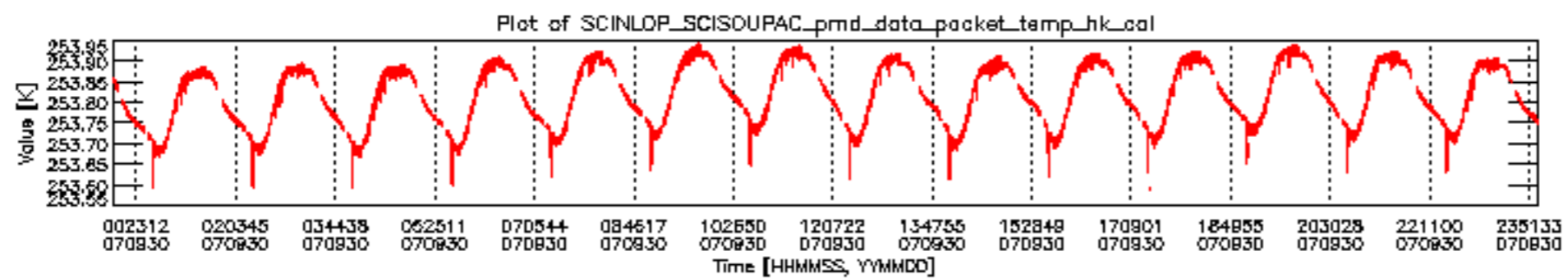


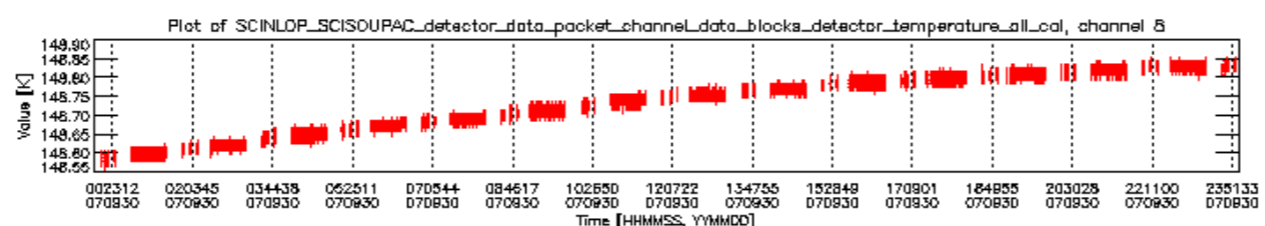
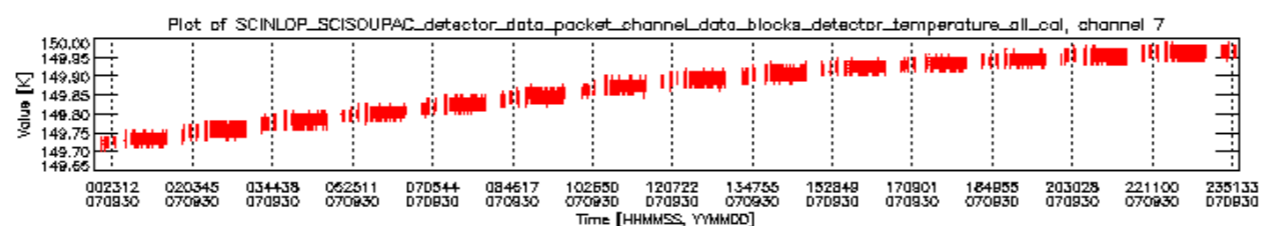
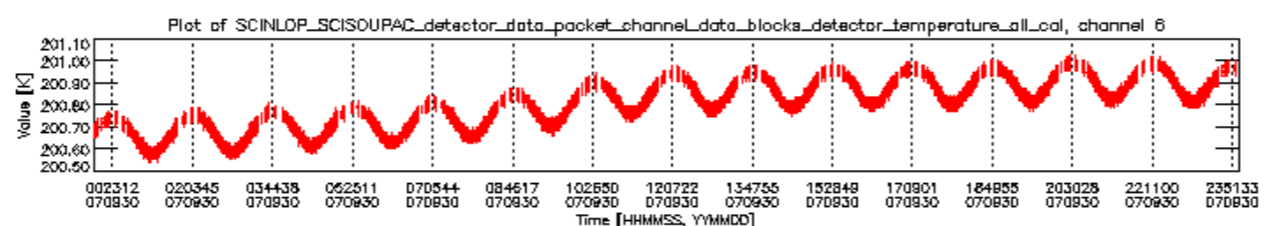
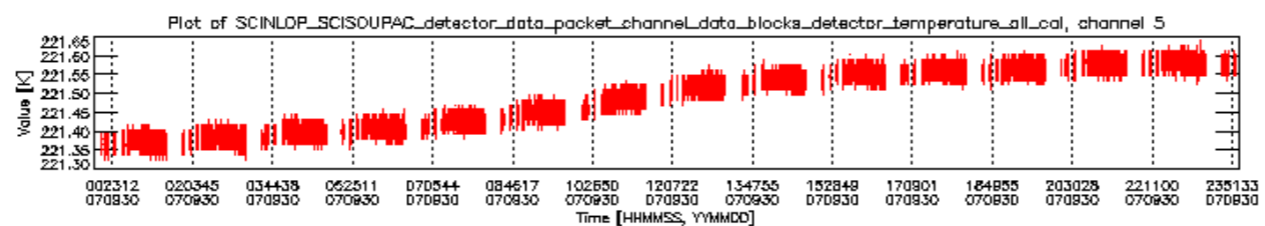
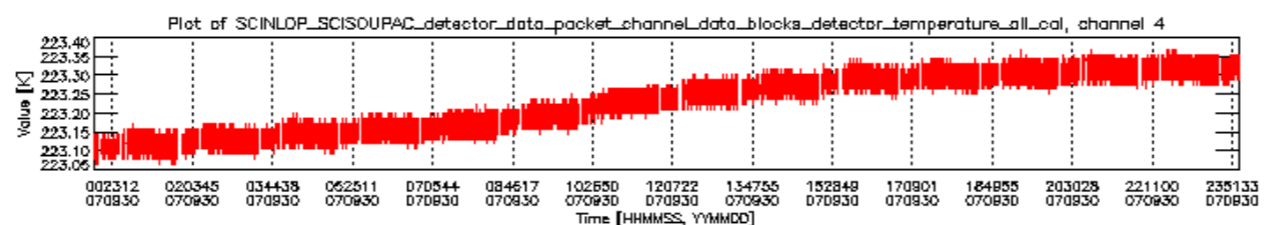
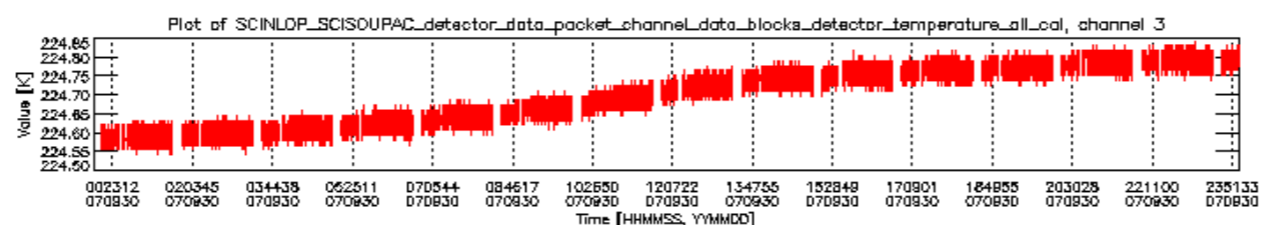
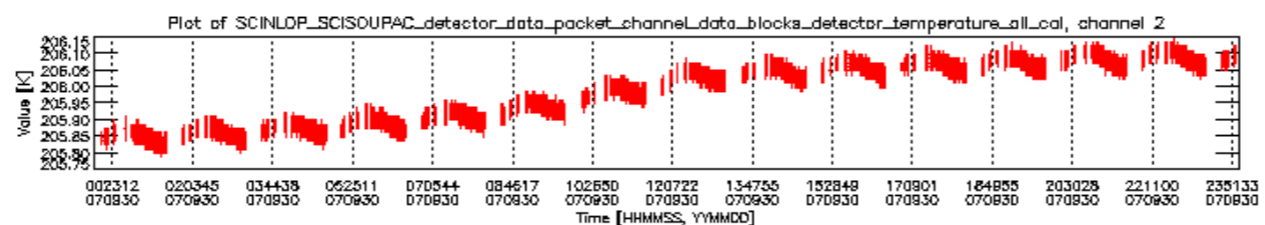
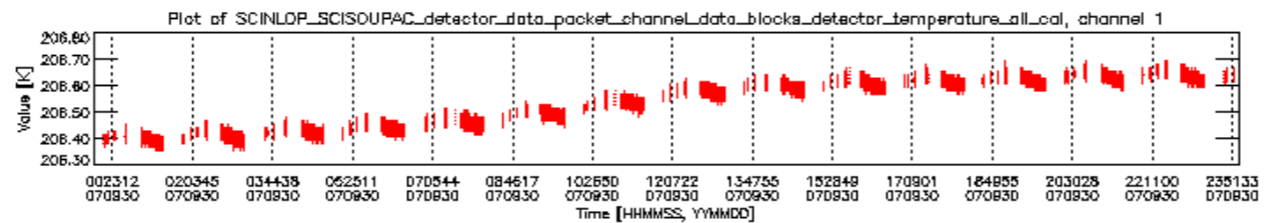
sciamachy_daily_report_level0_KSPT_L0_4302_N_20070930_8.PNG

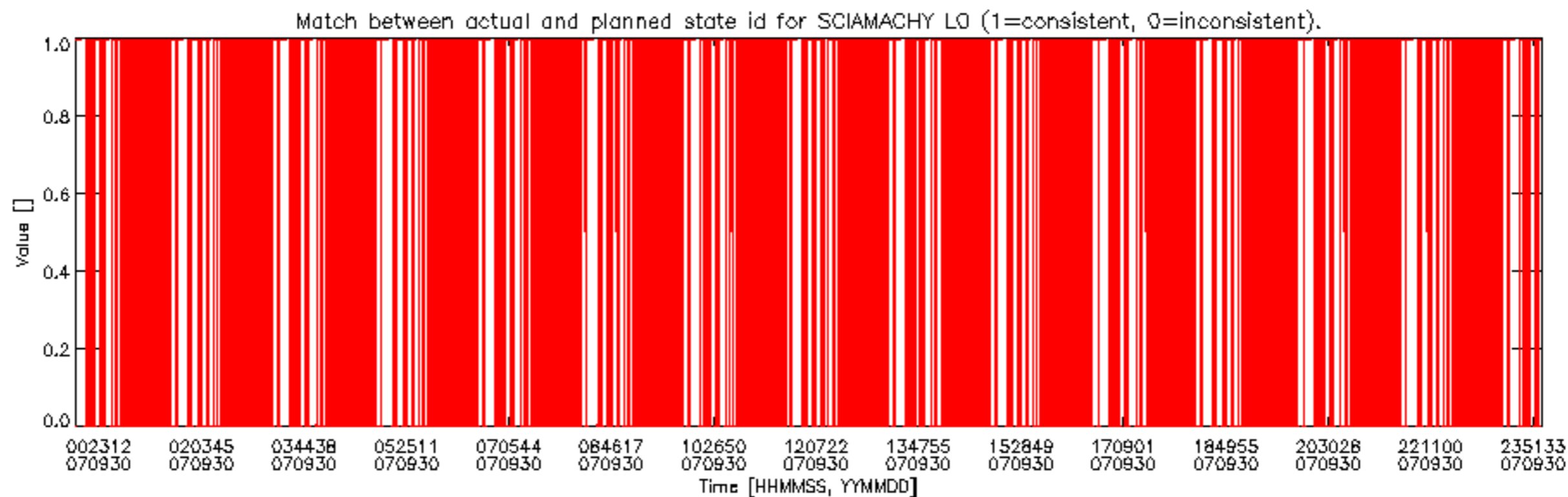
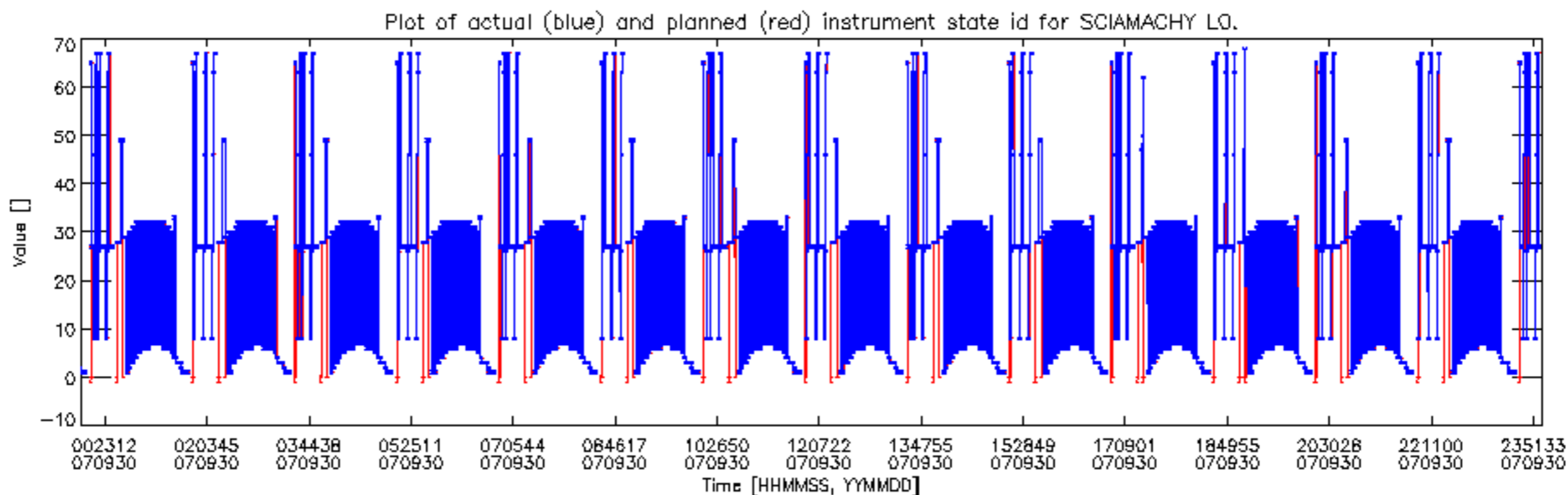












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 Each row indicates an orbit. A light gray colour indicates the time span of 30SEP2007.
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