

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	04OCT2008 06:15:06
Data source version	KSPT_L0/4303-N
Processing scope for products	30SEP2008 00:00:00 to 01OCT2008 00:00:00
Start time of first product within scope	29SEP2008 22:26:42
Stop time of last product within scope	01OCT2008 01:17:56
Total number of level 0 products	17
Number of level 0 products with errors	1

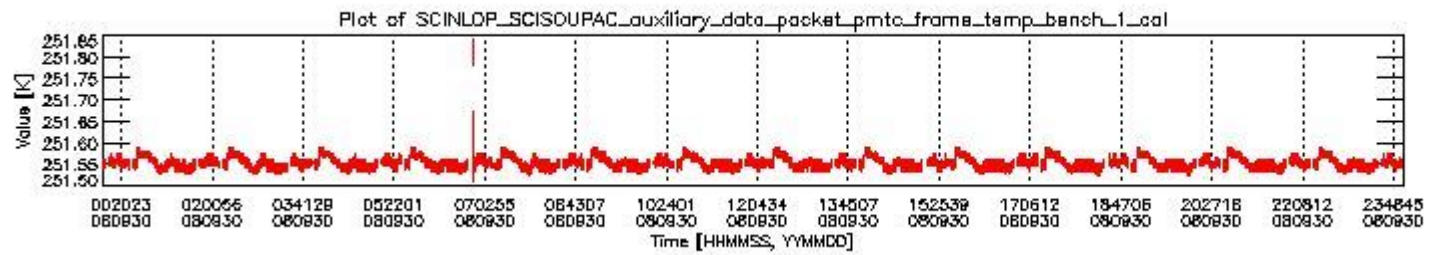
0.1.2 Summary per product

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

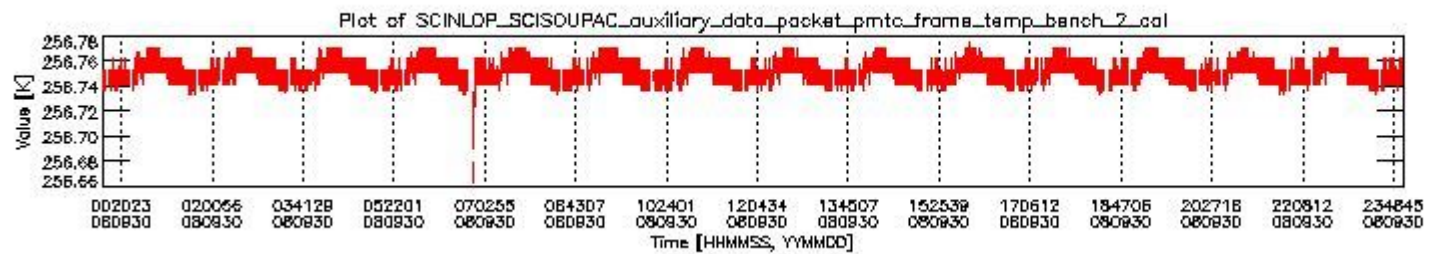
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080929_222642_000061242072_00301_34423_7606.N1	29SEP2008 22:26:42	30SEP2008 00:08:46	0	0	0	0	0
1	SCI_NL__OPNPDE20080930_000802_000059492072_00302_34424_7607.N1	30SEP2008 00:08:02	30SEP2008 01:47:11	0	0	0	0	0
2	SCI_NL__OPNPDE20080930_014711_000046812072_00303_34425_7608.N1	30SEP2008 01:47:11	30SEP2008 03:05:12	0	0	0	0	0
3	SCI_NL__OPNPDE20080930_030512_000058432072_00304_34426_7609.N1	30SEP2008 03:05:12	30SEP2008 04:42:36	0	0	0	0	0
4	SCI_NL__OPNPDE20080930_044140_000060372072_00305_34427_7610.N1	30SEP2008 04:41:40	30SEP2008 06:22:17	0	0	0	0	0
5	SCI_NL__OPNPDK20080930_062217_000041702072_00306_34428_9534.N1	30SEP2008 06:22:17	30SEP2008 07:31:47	0	0	0	0	0
6	SCI_NL__OPNPDK20080930_073038_000061052072_00307_34429_9535.N1	30SEP2008 07:30:38	30SEP2008 09:12:23	0	0	0	0	0
7	SCI_NL__OPNPDK20080930_091223_000059682072_00308_34430_9536.N1	30SEP2008 09:12:23	30SEP2008 10:51:51	0	0	0	0	0
8	SCI_NL__OPNPDK20080930_105055_000060362072_00309_34431_9537.N1	30SEP2008 10:50:55	30SEP2008 12:31:31	1	1	0	0	0
9	SCI_NL__OPNPDK20080930_123036_000059682072_00310_34432_9538.N1	30SEP2008 12:30:36	30SEP2008 14:10:03	0	0	0	0	0
10	SCI_NL__OPNPDK20080930_140855_000059252072_00311_34433_9539.N1	30SEP2008 14:08:55	30SEP2008 15:47:40	0	0	0	0	0
11	SCI_NL__OPNPDK20080930_154535_000059042072_00312_34434_9540.N1	30SEP2008 15:45:35	30SEP2008 17:23:59	0	0	0	0	0
12	SCI_NL__OPNPDK20080930_172202_000060372072_00313_34435_9541.N1	30SEP2008 17:22:02	30SEP2008 19:02:39	0	0	0	0	0
13	SCI_NL__OPNPDK20080930_190239_000061742072_00314_34436_9542.N1	30SEP2008 19:02:39	30SEP2008 20:45:33	0	0	0	0	0
14	SCI_NL__OPNPDE20080930_204315_000043612072_00315_34437_7612.N1	30SEP2008 20:43:15	30SEP2008 21:55:56	0	0	0	0	0
15	SCI_NL__OPNPDE20080930_215512_000061242072_00315_34437_7613.N1	30SEP2008 21:55:12	30SEP2008 23:37:17	0	0	0	0	0
16	SCI_NL__OPNPDE20080930_233549_000061272072_00316_34438_7614.N1	30SEP2008 23:35:49	01OCT2008 01:17:56	0	0	0	0	0

0.2 Product Quality Indicators

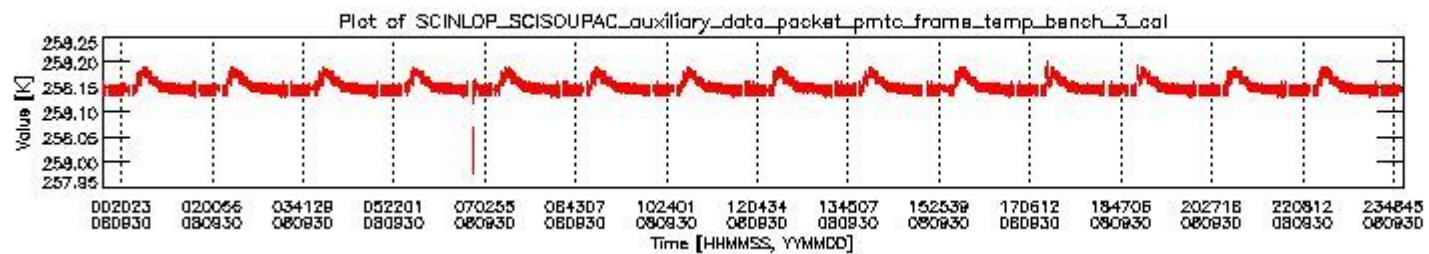
This section shows information about product quality, currently temperatures.



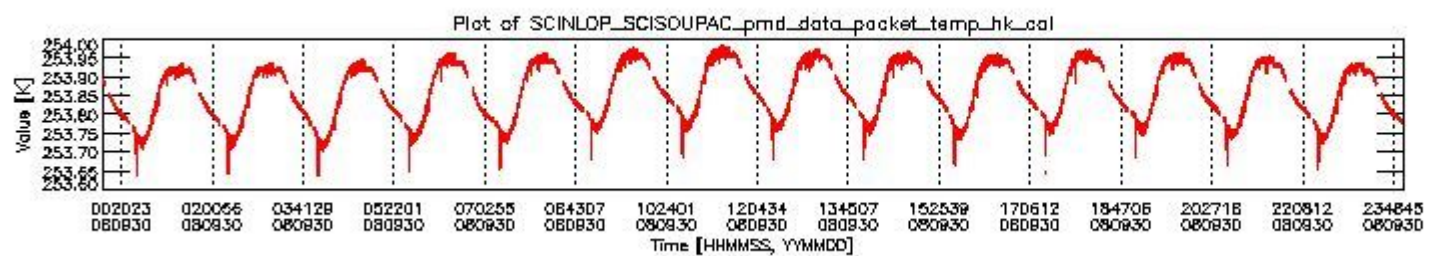
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080930_0.PNG



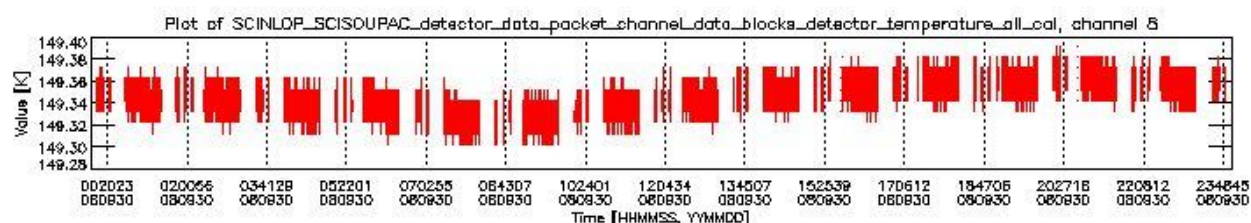
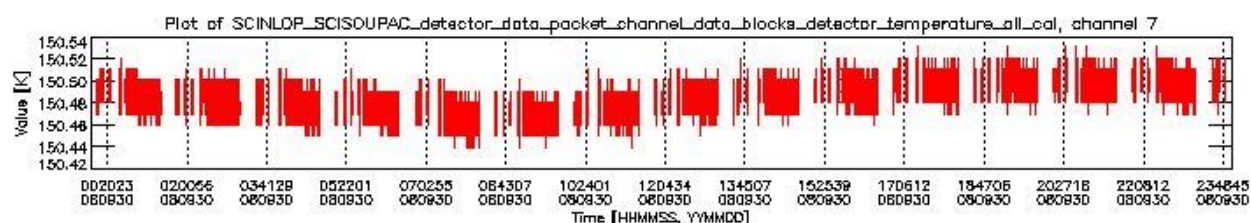
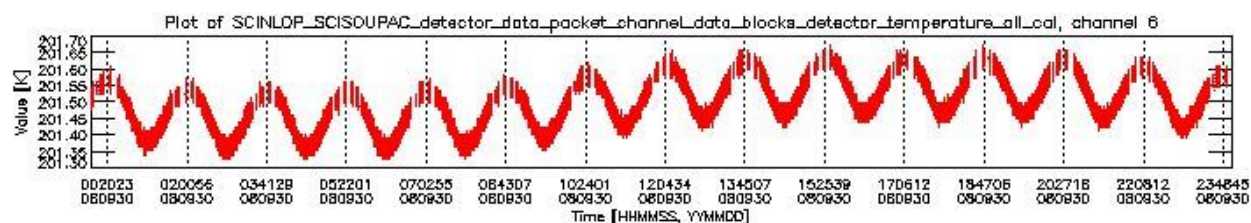
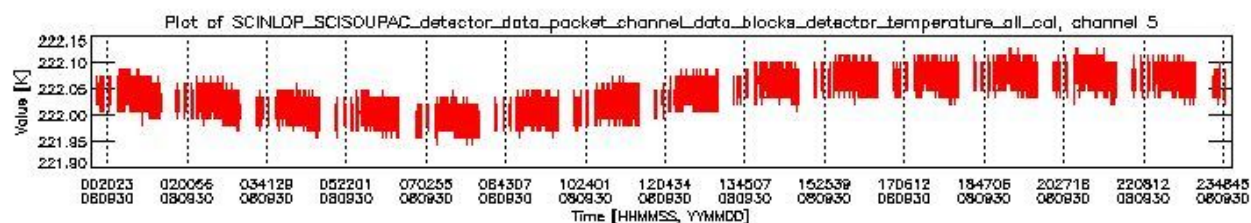
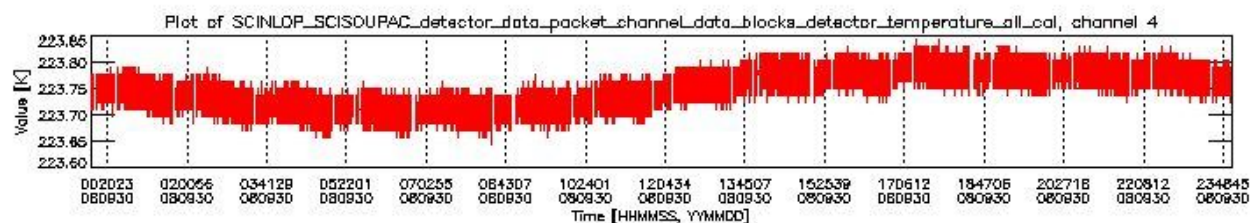
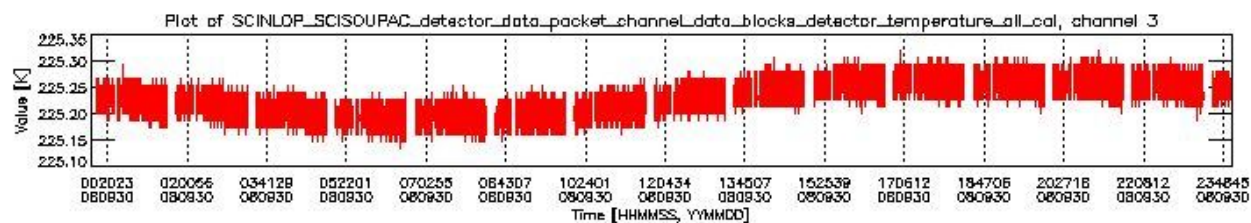
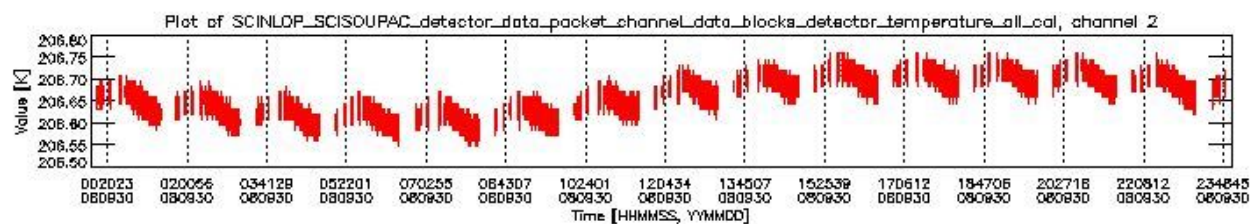
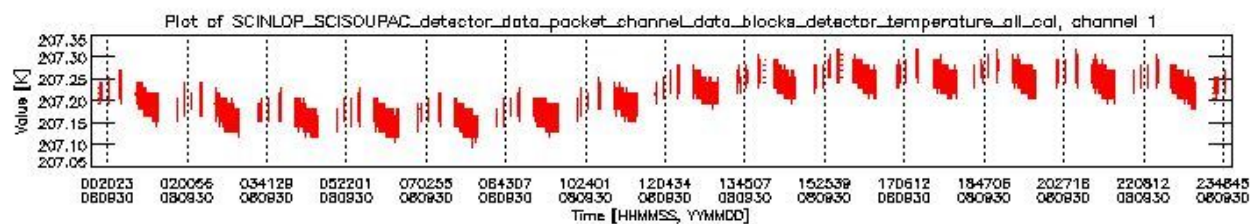
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080930_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080930_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080930_3.PNG

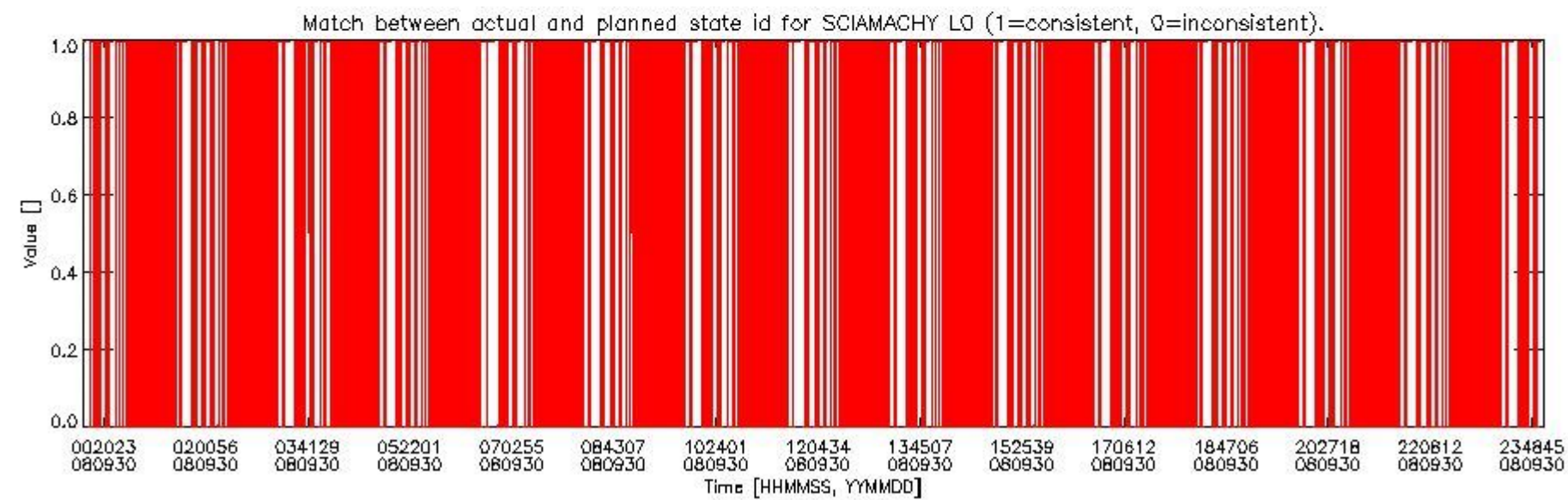
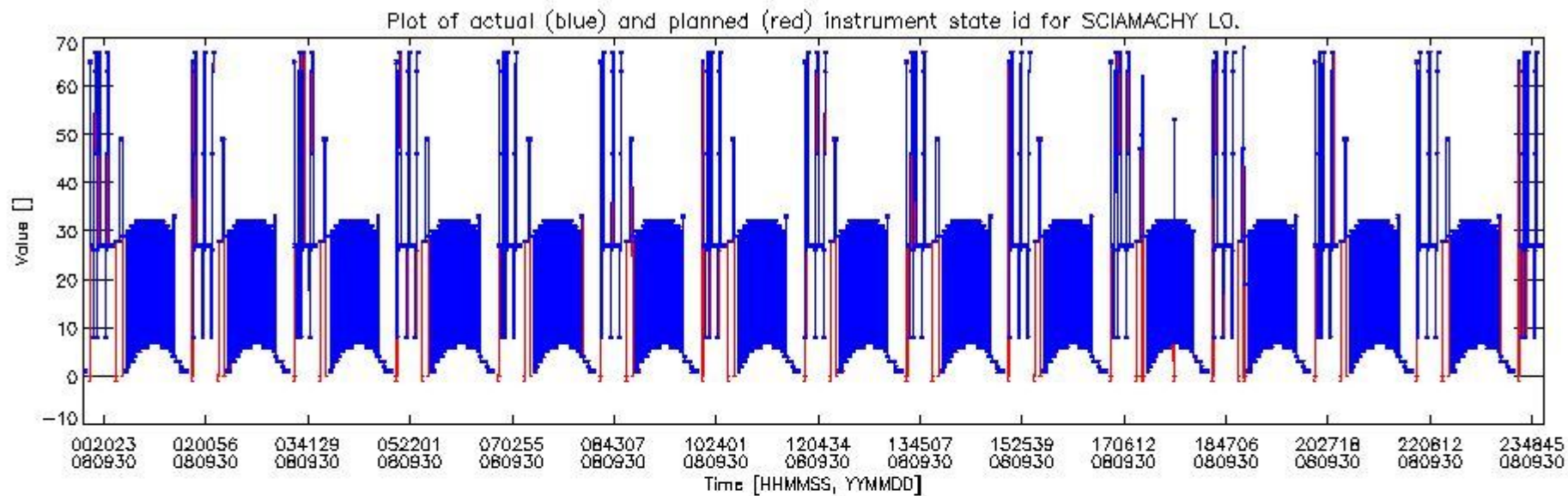


0.3 State monitoring

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: **45733**

#	Actual time	Actual value	Planned time	Planned value
0	30SEP2008 00:06:34.964947	65	30SEP2008 00:06:34.964947	0
1	30SEP2008 00:06:35.589969	65	30SEP2008 00:06:35.589969	0
2	30SEP2008 00:06:36.089946	65	30SEP2008 00:06:36.089946	0
3	30SEP2008 00:06:36.589963	65	30SEP2008 00:06:36.589963	0
4	30SEP2008 00:06:37.089940	65	30SEP2008 00:06:37.089940	0
5	30SEP2008 00:06:37.589958	65	30SEP2008 00:06:37.589958	0
6	30SEP2008 00:06:38.089975	65	30SEP2008 00:06:38.089975	0
7	30SEP2008 00:06:38.589952	65	30SEP2008 00:06:38.589952	0
8	30SEP2008 00:06:39.089970	65	30SEP2008 00:06:39.089970	0
9	30SEP2008 00:06:39.589947	65	30SEP2008 00:06:39.589947	0
10	30SEP2008 00:06:39.964960	65	30SEP2008 00:06:39.964960	0
11	30SEP2008 00:06:40.089964	65	30SEP2008 00:06:40.089964	0
12	30SEP2008 00:06:40.589941	65	30SEP2008 00:06:40.589941	0
13	30SEP2008 00:06:41.089959	65	30SEP2008 00:06:41.089959	0
14	30SEP2008 00:06:41.589976	65	30SEP2008 00:06:41.589976	0
15	30SEP2008 00:06:42.089953	65	30SEP2008 00:06:42.089953	0
16	30SEP2008 00:06:42.589971	65	30SEP2008 00:06:42.589971	0
17	30SEP2008 00:07:18.722786	27	30SEP2008 00:07:18.722786	0
18	30SEP2008 00:07:19.722781	27	30SEP2008 00:07:19.722781	0
19	30SEP2008 00:07:20.660293	27	30SEP2008 00:07:20.660293	0

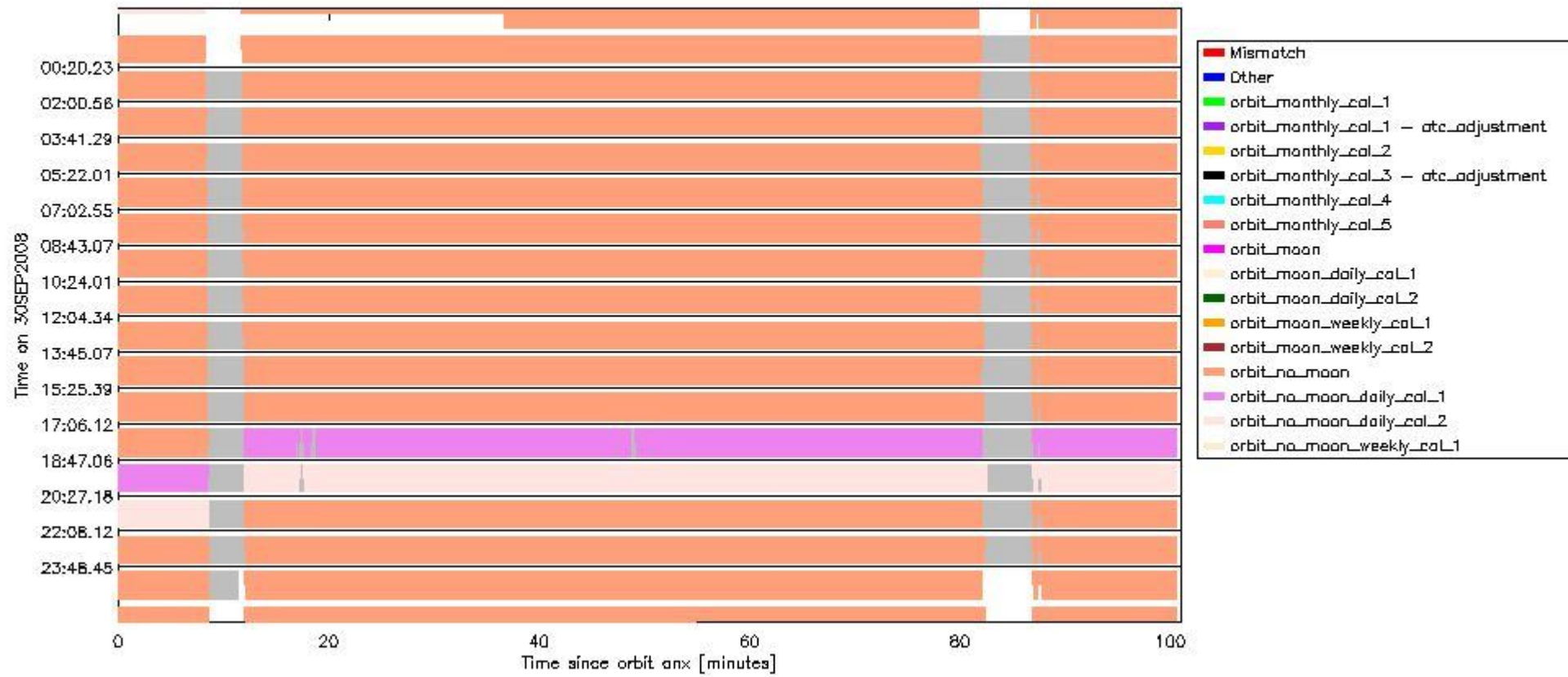


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080930_5.PNG

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 30SEP2008.
 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_20080930_6.PNG

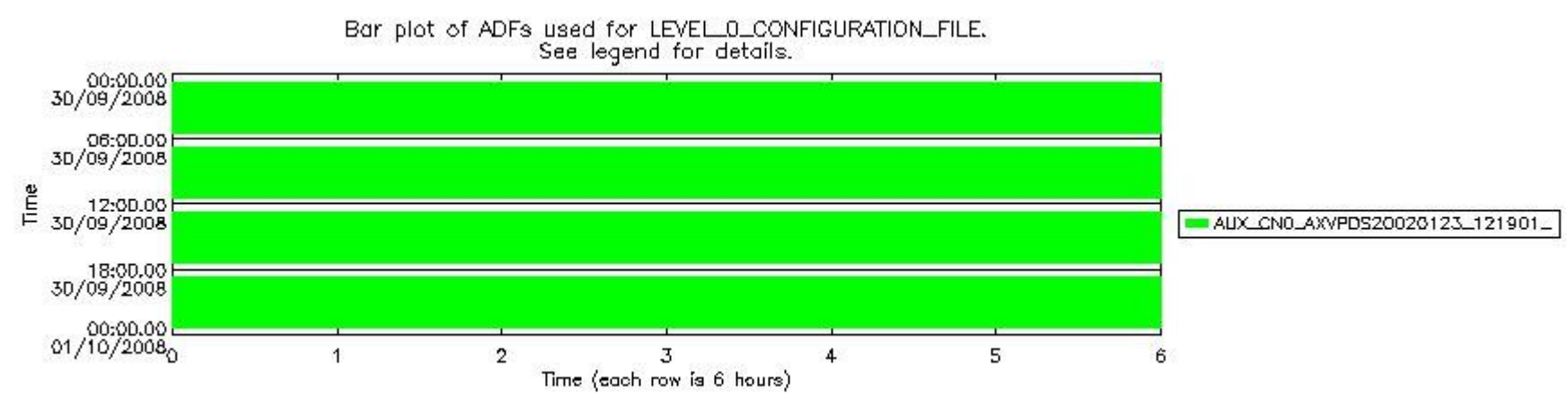
0.4 ADF monitoring

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

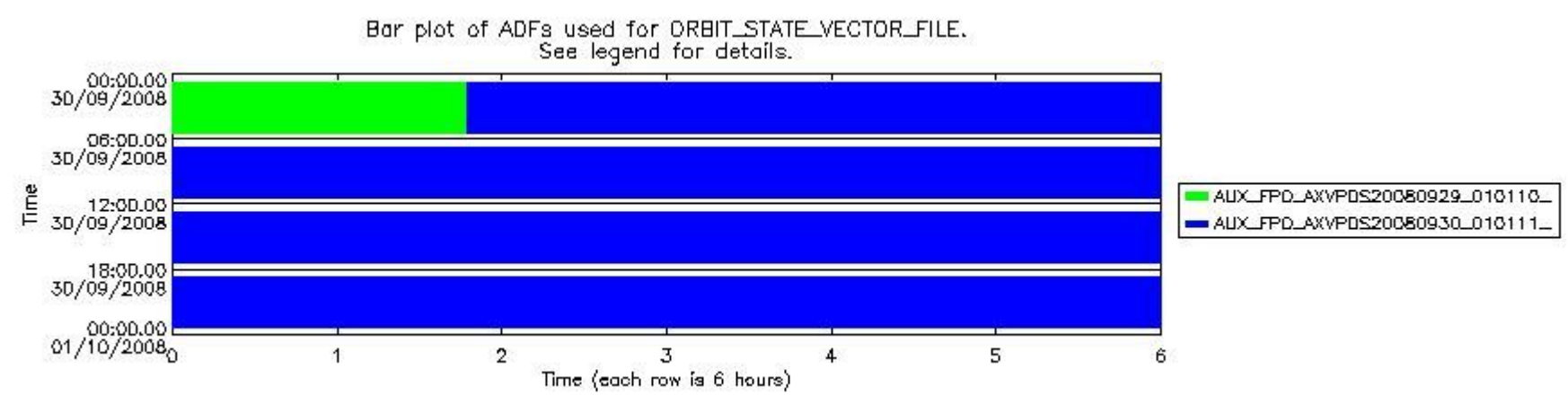
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

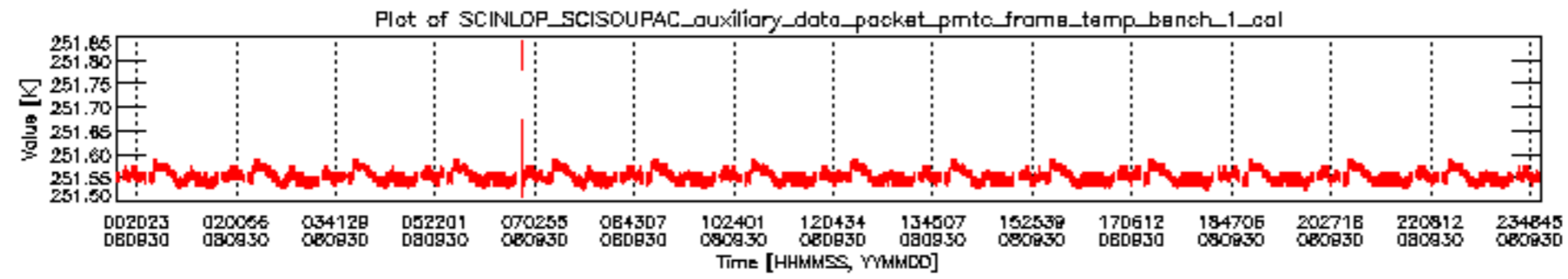
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080929_010110_20080928_195009_20081008_211623
2	AUX_FPO_AXVPDS20080930_010111_20080929_191832_20081009_204446

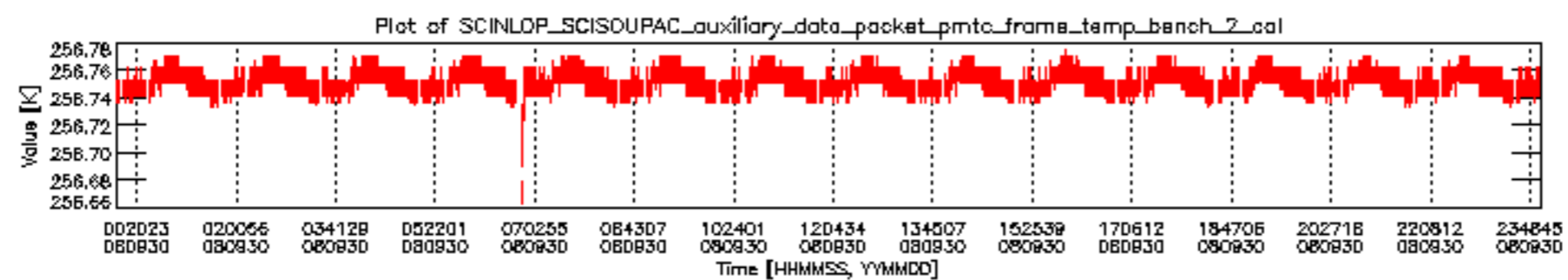


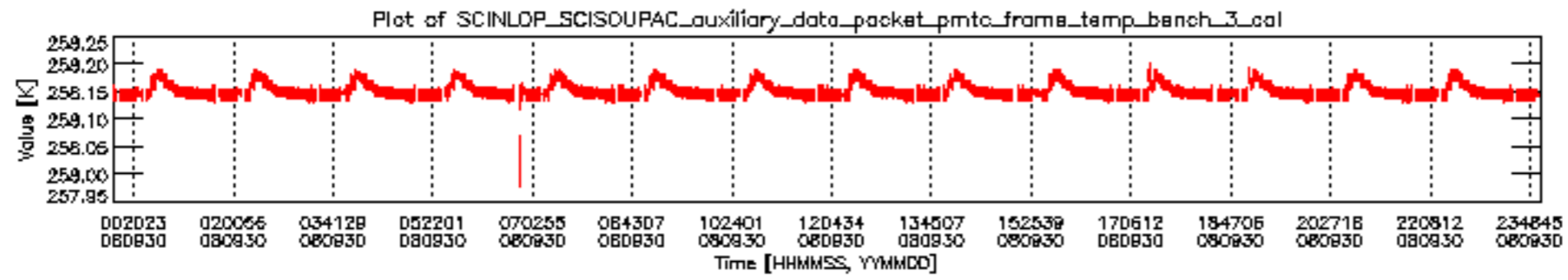
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080930_7.PNG

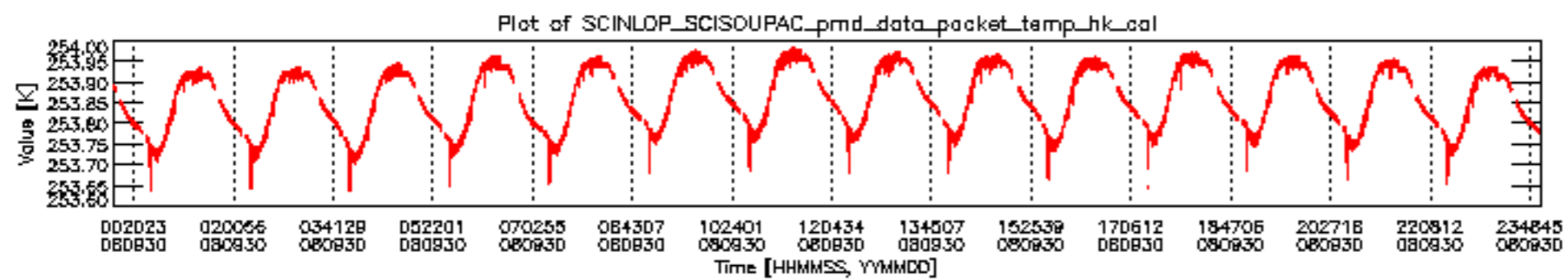


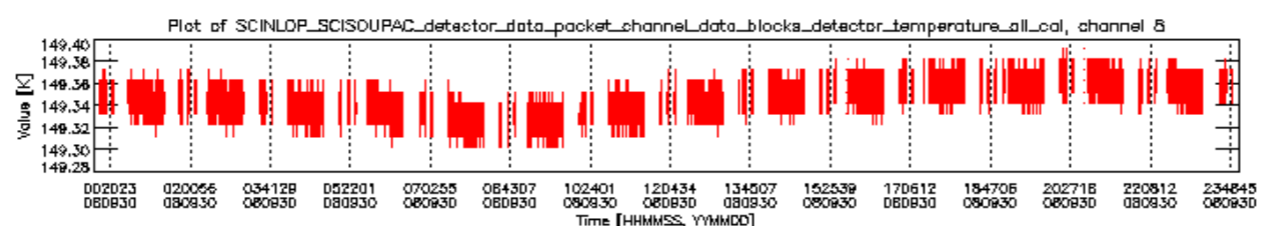
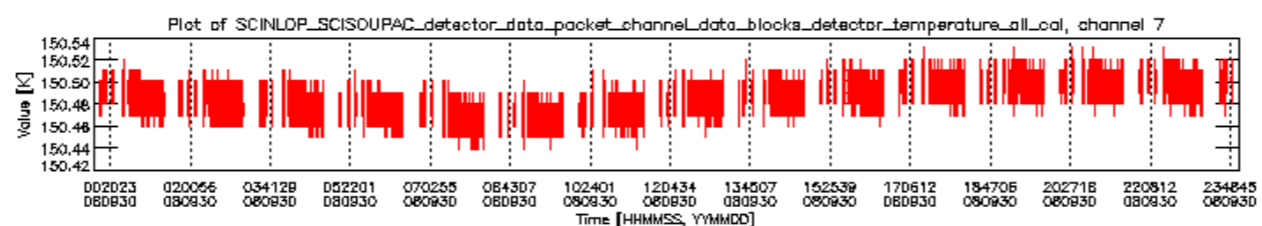
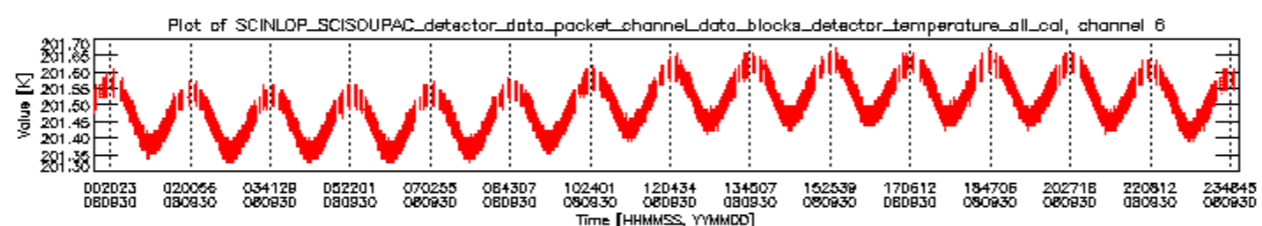
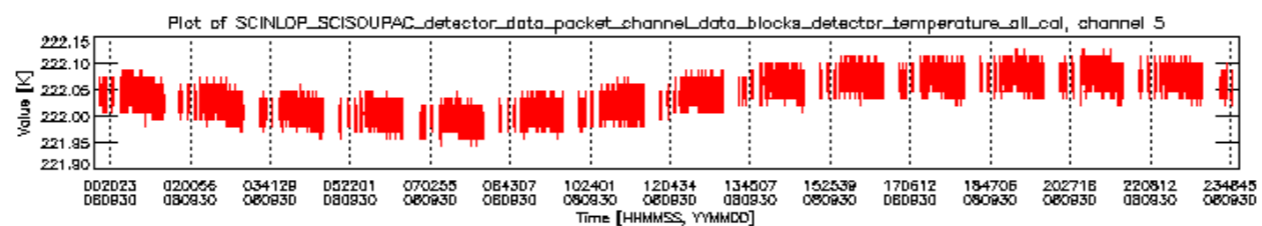
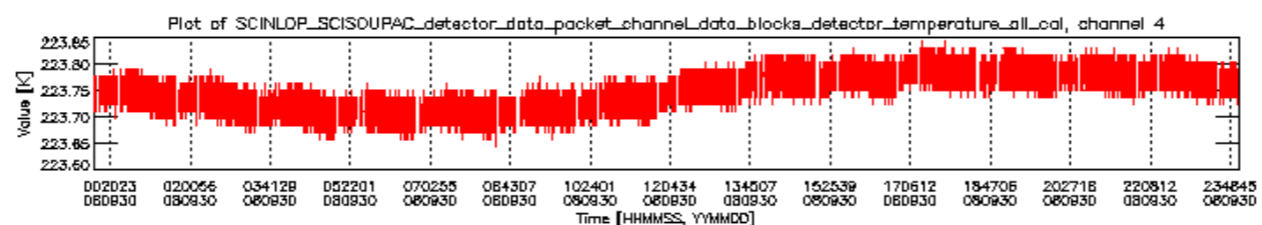
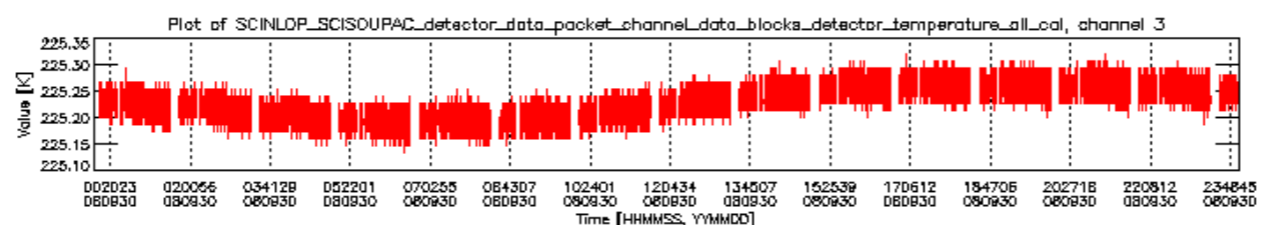
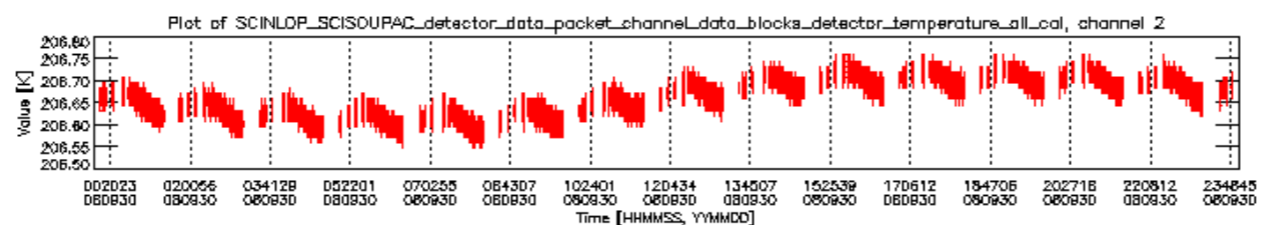
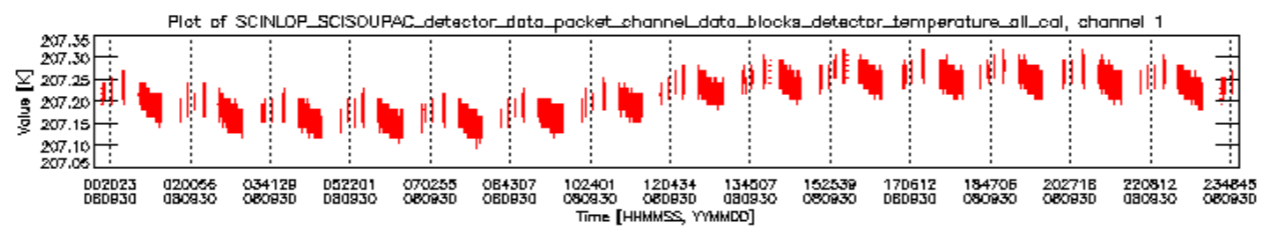
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080930_8.PNG

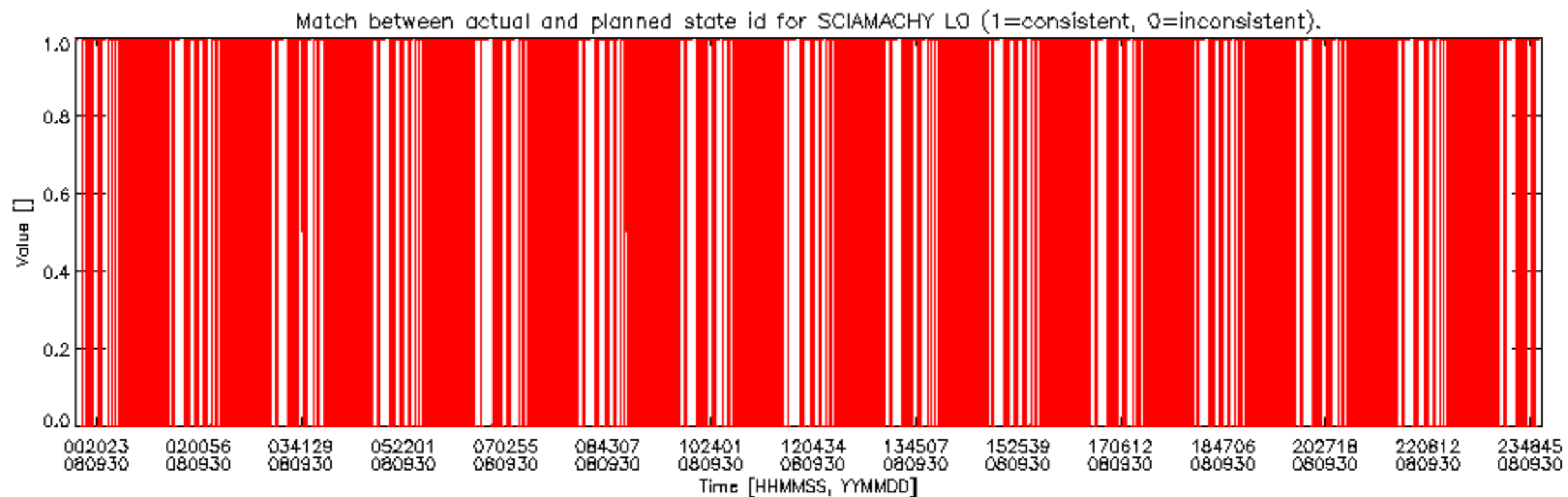
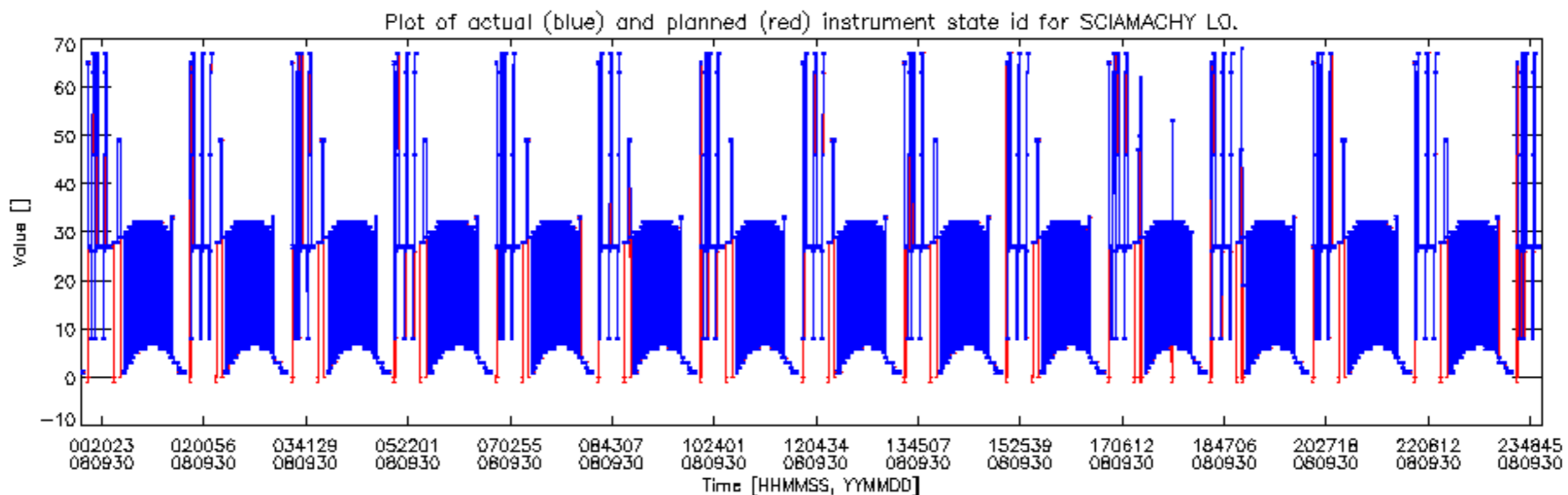












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