

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	18AUG2008 04:56:04
Data source version	KSPT_L0/4303-N
Processing scope for products	14AUG2008 00:00:00 to 15AUG2008 00:00:00
Start time of first product within scope	13AUG2008 23:45:08
Stop time of last product within scope	15AUG2008 00:55:42
Total number of level 0 products	16
Number of level 0 products with errors	1

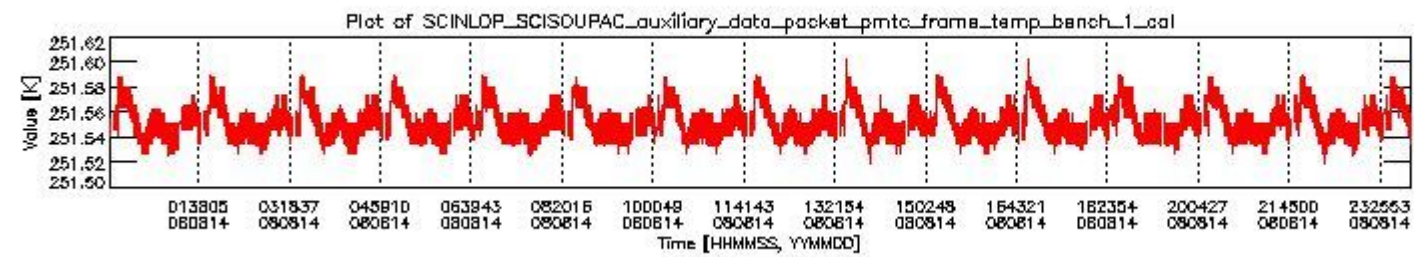
0.1.2 Summary per product

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

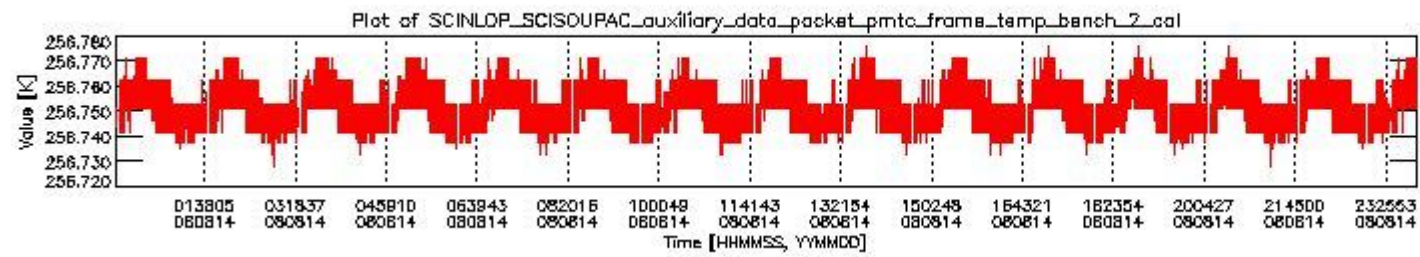
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080813_234508_000060372071_00130_33751_7307.N1	13AUG2008 23:45:08	14AUG2008 01:25:45	0	0	0	0	0
1	SCI_NL__OPNPDE20080814_012417_000047642071_00131_33752_7308.N1	14AUG2008 01:24:17	14AUG2008 02:43:41	0	0	0	0	0
2	SCI_NL__OPNPDE20080814_024232_000056892071_00132_33753_7309.N1	14AUG2008 02:42:32	14AUG2008 04:17:21	0	0	0	0	0
3	SCI_NL__OPNPDE20080814_041941_000060382071_00133_33754_7310.N1	14AUG2008 04:19:41	14AUG2008 06:00:19	0	0	0	0	0
4	SCI_NL__OPNPDK20080814_060019_000040842071_00134_33755_9035.N1	14AUG2008 06:00:19	14AUG2008 07:08:23	0	0	0	0	0
5	SCI_NL__OPNPDK20080814_070727_000061612071_00135_33756_9036.N1	14AUG2008 07:07:27	14AUG2008 08:50:08	0	0	0	0	0
6	SCI_NL__OPNPDK20080814_084859_000059802071_00136_33757_9037.N1	14AUG2008 08:48:59	14AUG2008 10:28:40	1	1	0	0	0
7	SCI_NL__OPNPDK20080814_102731_000061052071_00137_33758_9038.N1	14AUG2008 10:27:31	14AUG2008 12:09:16	0	0	0	0	0
8	SCI_NL__OPNPDK20080814_120808_000059802071_00138_33759_9039.N1	14AUG2008 12:08:08	14AUG2008 13:47:48	0	0	0	0	0
9	SCI_NL__OPNPDK20080814_134639_000059802071_00139_33760_9040.N1	14AUG2008 13:46:39	14AUG2008 15:26:20	0	0	0	0	0
10	SCI_NL__OPNPDK20080814_152511_000057882071_00140_33761_9041.N1	14AUG2008 15:25:11	14AUG2008 17:01:39	0	0	0	0	0
11	SCI_NL__OPNPDK20080814_165934_000060862071_00141_33762_9042.N1	14AUG2008 16:59:34	14AUG2008 18:41:01	0	0	0	0	0
12	SCI_NL__OPNPDK20080814_184101_000059492071_00142_33763_9043.N1	14AUG2008 18:41:01	14AUG2008 20:20:10	0	0	0	0	0
13	SCI_NL__OPNPDE20080814_201818_000044392071_00143_33764_7311.N1	14AUG2008 20:18:18	14AUG2008 21:32:17	0	0	0	0	0
14	SCI_NL__OPNPDE20080814_213049_000062022071_00143_33764_7312.N1	14AUG2008 21:30:49	14AUG2008 23:14:11	0	0	0	0	0
15	SCI_NL__OPNPDE20080814_231254_000061682071_00144_33765_7313.N1	14AUG2008 23:12:54	15AUG2008 00:55:42	0	0	0	0	0

0.2 Product Quality Indicators

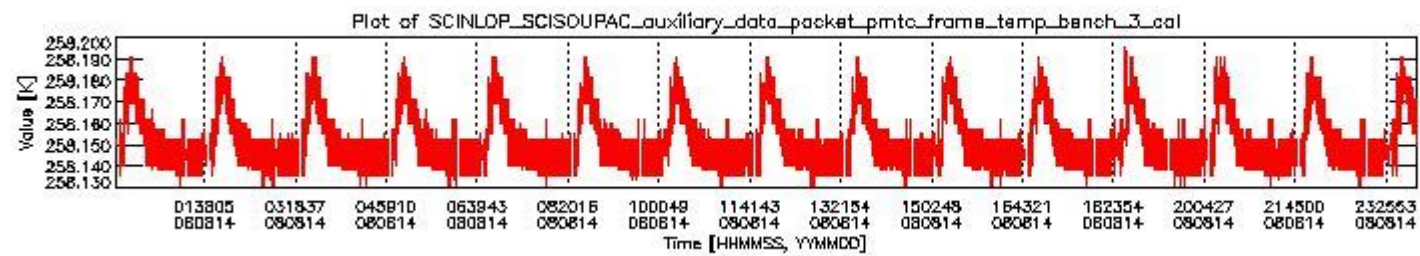
This section shows information about product quality, currently temperatures.



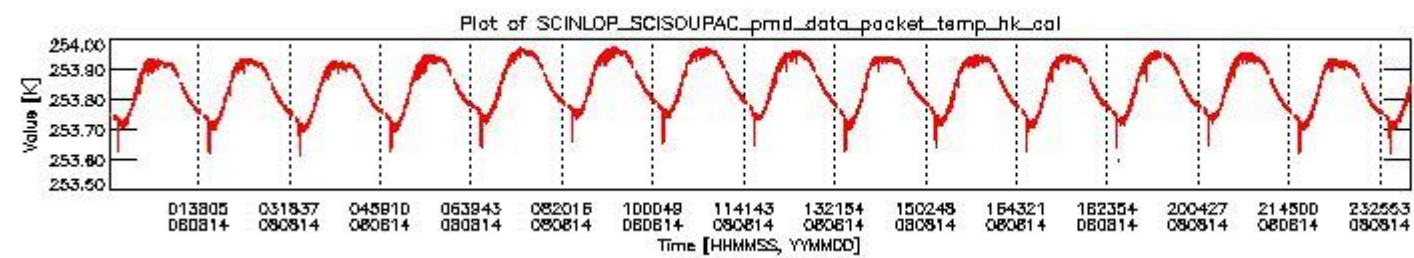
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080814_0.PNG



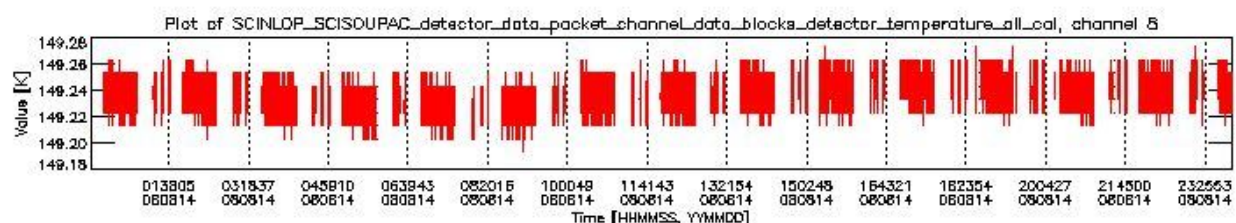
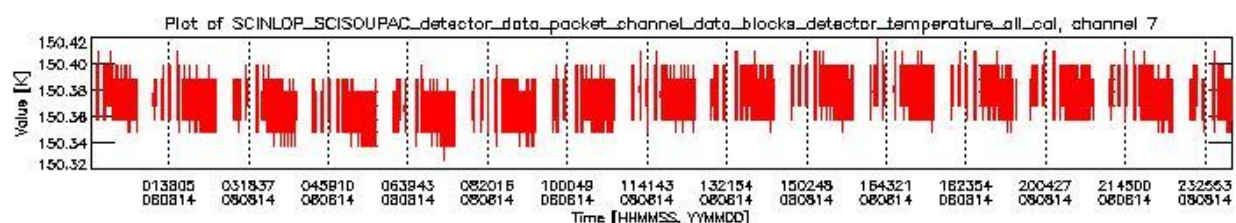
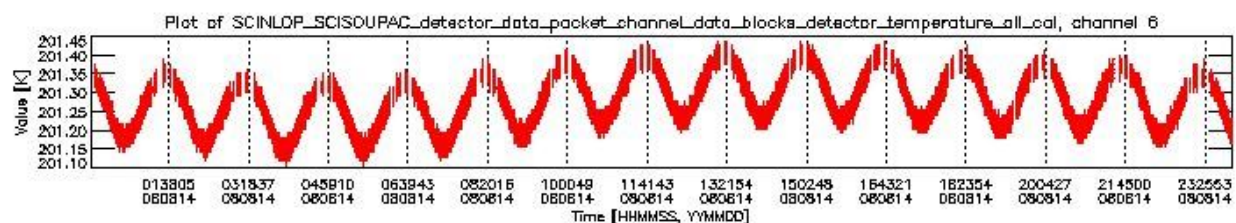
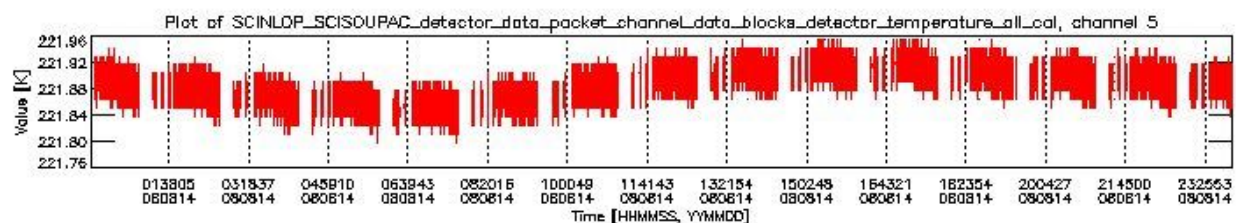
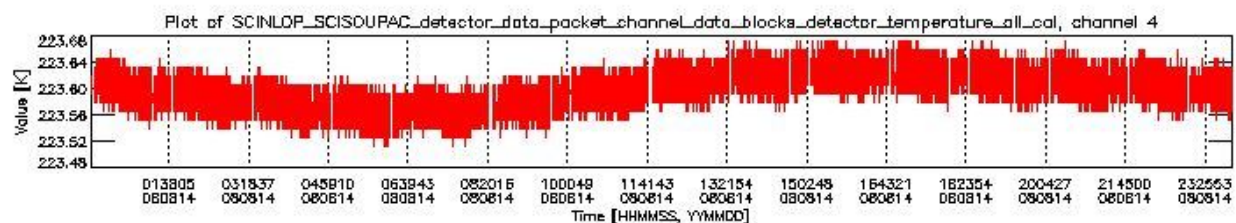
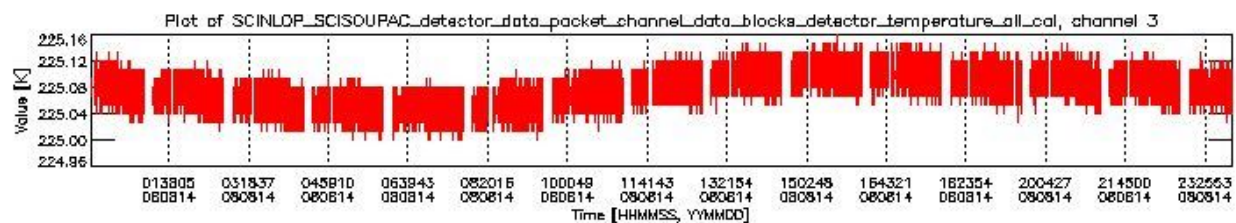
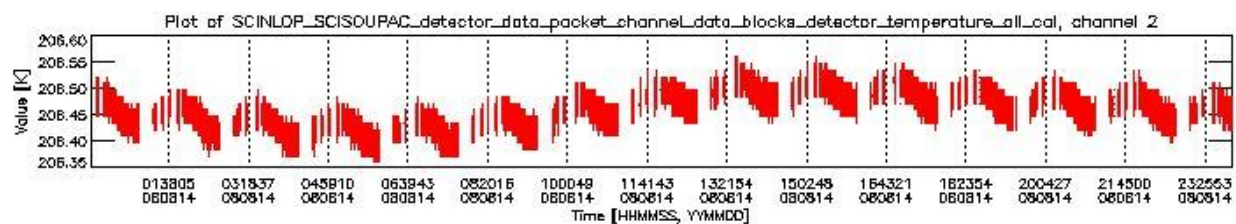
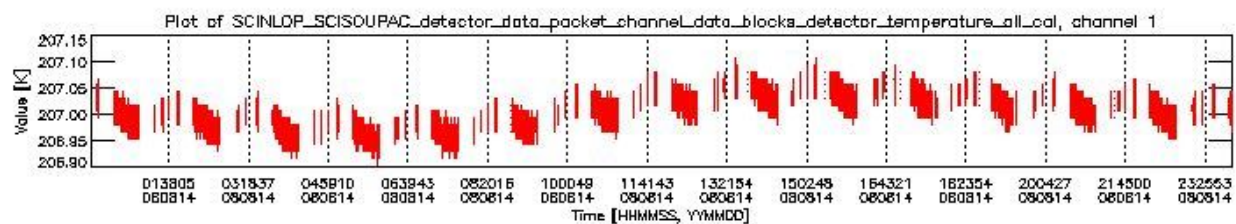
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080814_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080814_3.PNG

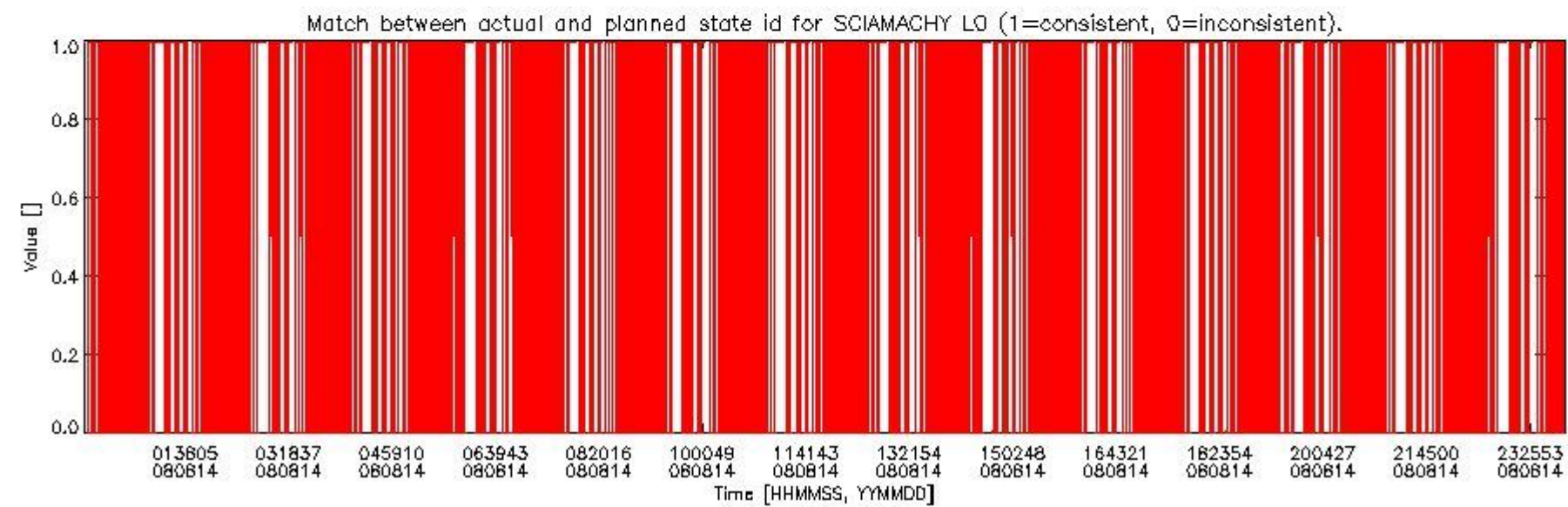
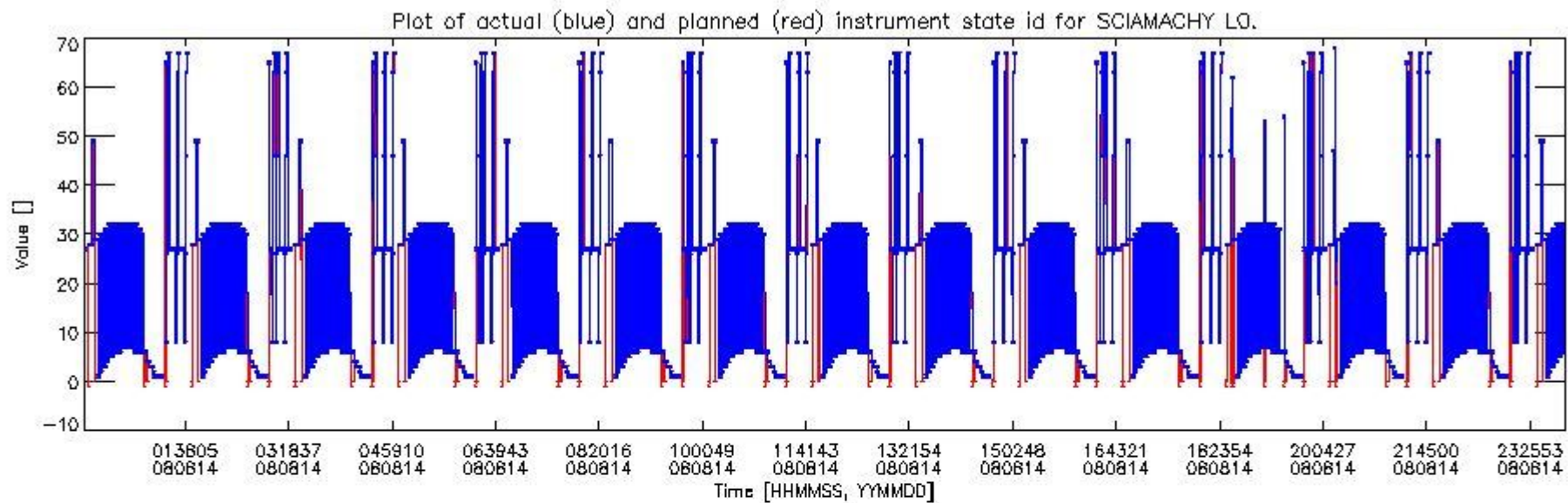


0.3 State monitoring

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: **36110**

#	Actual time	Actual value	Planned time	Planned value
0	14AUG2008 00:03:45.849469	28	14AUG2008 00:03:45.849469	0
1	14AUG2008 00:03:46.474451	28	14AUG2008 00:03:46.474451	0
2	14AUG2008 00:03:46.849464	28	14AUG2008 00:03:46.849464	0
3	14AUG2008 00:03:47.224477	28	14AUG2008 00:03:47.224477	0
4	14AUG2008 00:03:47.786976	28	14AUG2008 00:03:47.786976	0
5	14AUG2008 00:03:48.161949	28	14AUG2008 00:03:48.161949	0
6	14AUG2008 00:03:48.536962	28	14AUG2008 00:03:48.536962	0
7	14AUG2008 00:03:48.911975	28	14AUG2008 00:03:48.911975	0
8	14AUG2008 00:03:49.474474	28	14AUG2008 00:03:49.474474	0
9	14AUG2008 00:03:49.849447	28	14AUG2008 00:03:49.849447	0
10	14AUG2008 00:03:50.224460	28	14AUG2008 00:03:50.224460	0
11	14AUG2008 00:03:50.599473	28	14AUG2008 00:03:50.599473	0
12	14AUG2008 00:03:50.849442	28	14AUG2008 00:03:50.849442	0
13	14AUG2008 00:03:51.161973	28	14AUG2008 00:03:51.161973	0
14	14AUG2008 00:03:51.536946	28	14AUG2008 00:03:51.536946	0
15	14AUG2008 00:03:51.911959	28	14AUG2008 00:03:51.911959	0
16	14AUG2008 00:03:52.286972	28	14AUG2008 00:03:52.286972	0
17	14AUG2008 00:03:52.849471	28	14AUG2008 00:03:52.849471	0
18	14AUG2008 00:03:53.224444	28	14AUG2008 00:03:53.224444	0
19	14AUG2008 00:03:53.599457	28	14AUG2008 00:03:53.599457	0

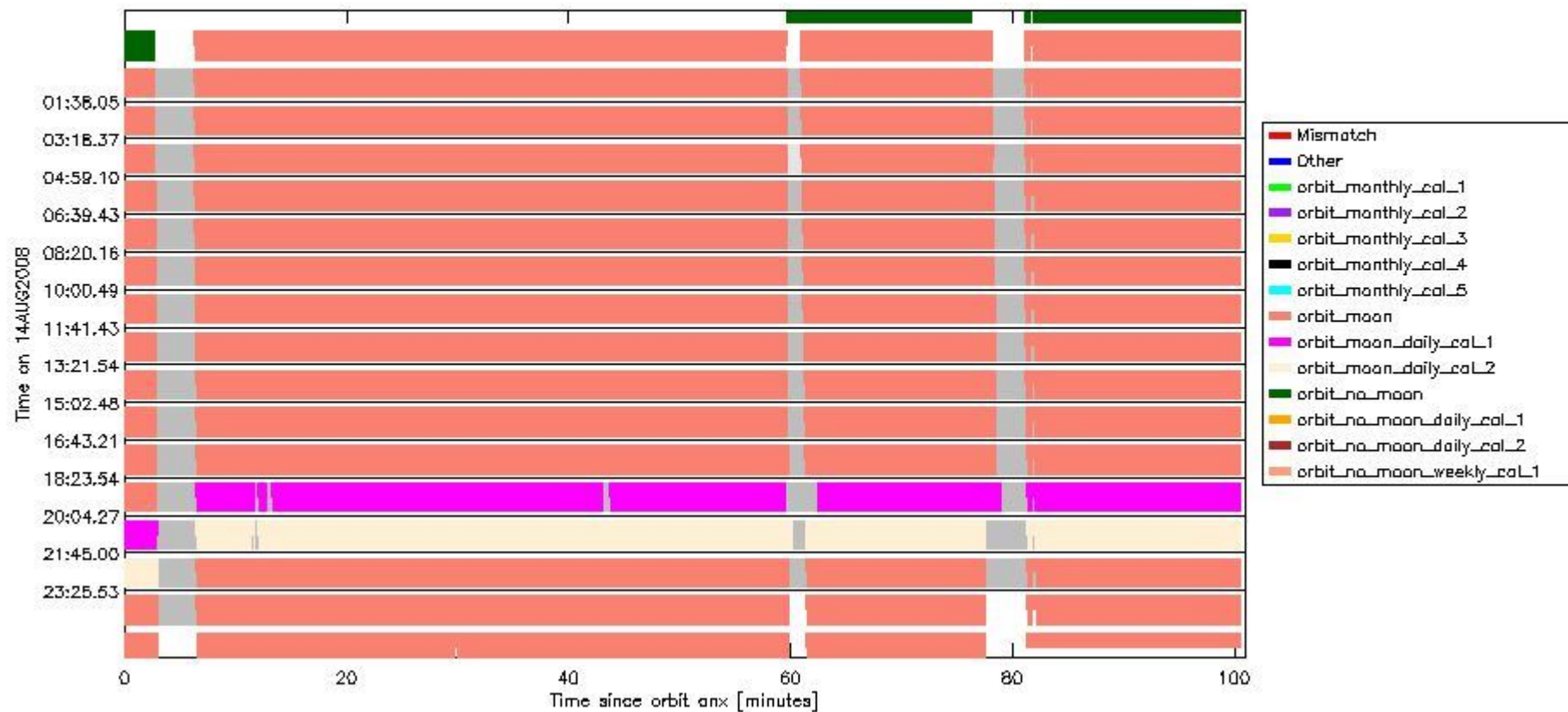


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080814_5.PNG

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 14AUG2008.
 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_20080814_6.PNG

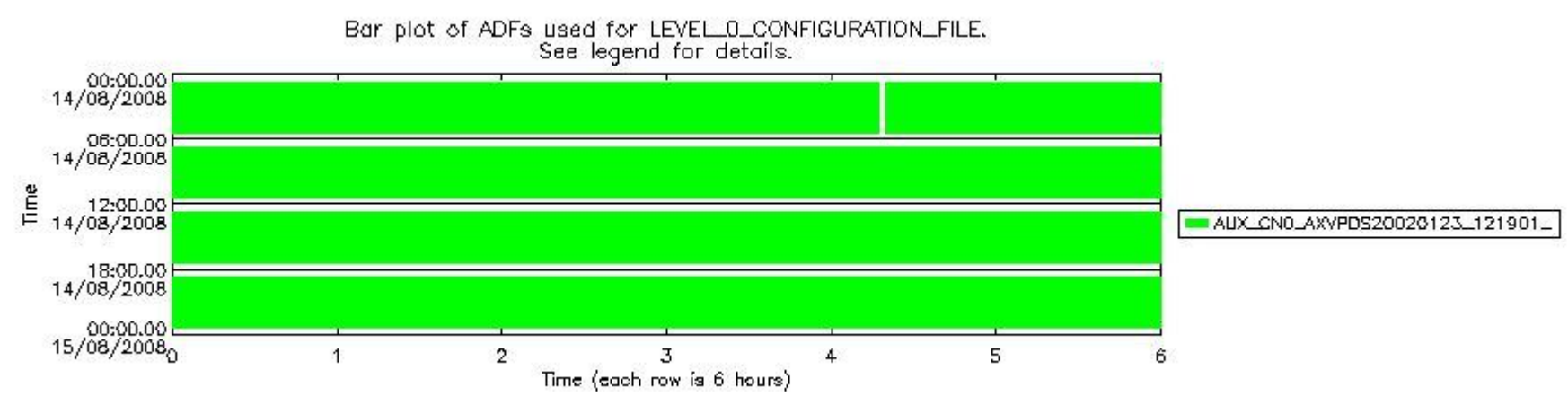
0.4 ADF monitoring

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

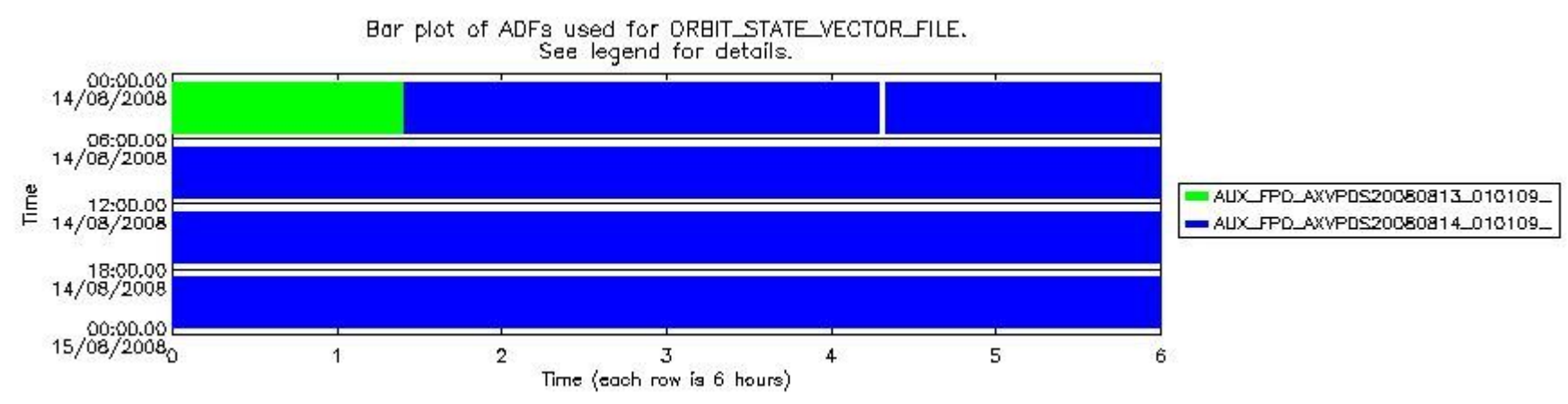
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

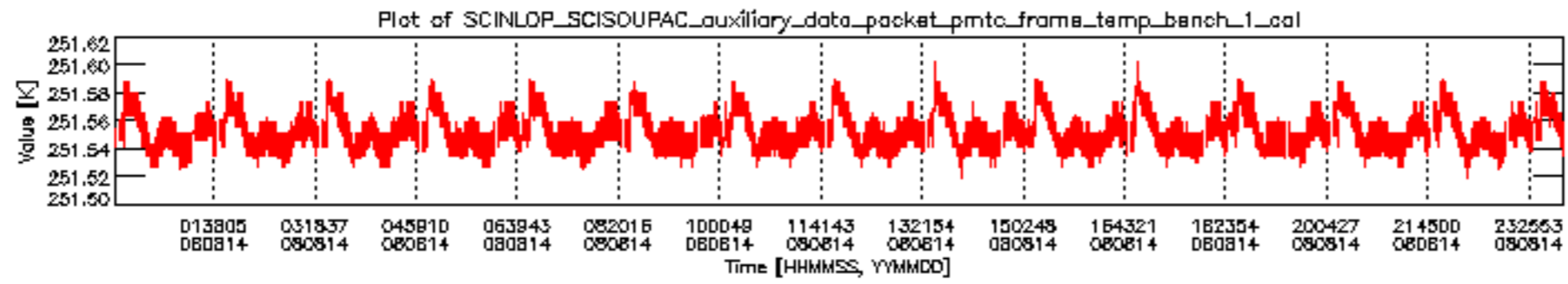
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080813_010109_20080812_192711_20080822_205323
2	AUX_FPO_AXVPDS20080814_010109_20080813_185534_20080823_202146

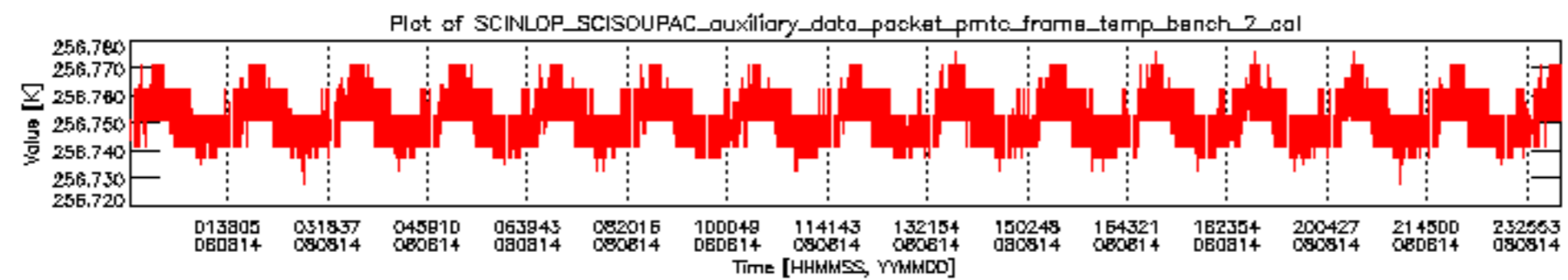


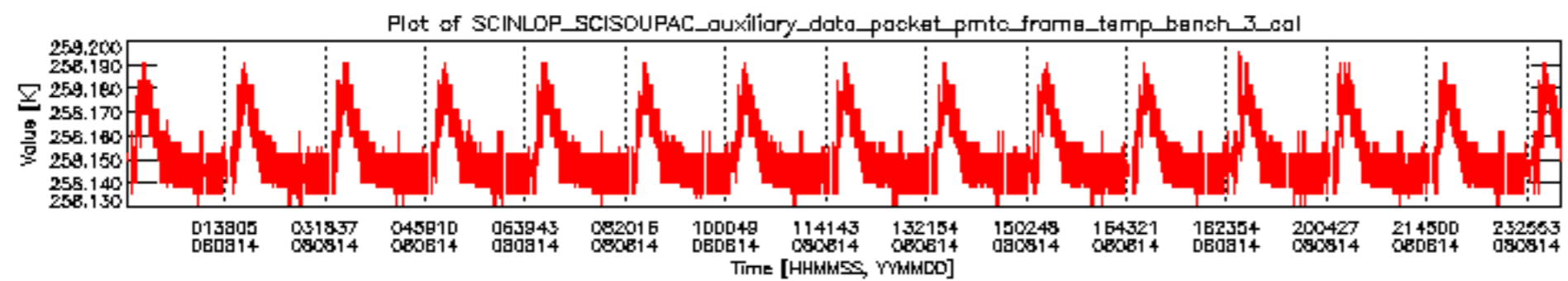
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080814_7.PNG

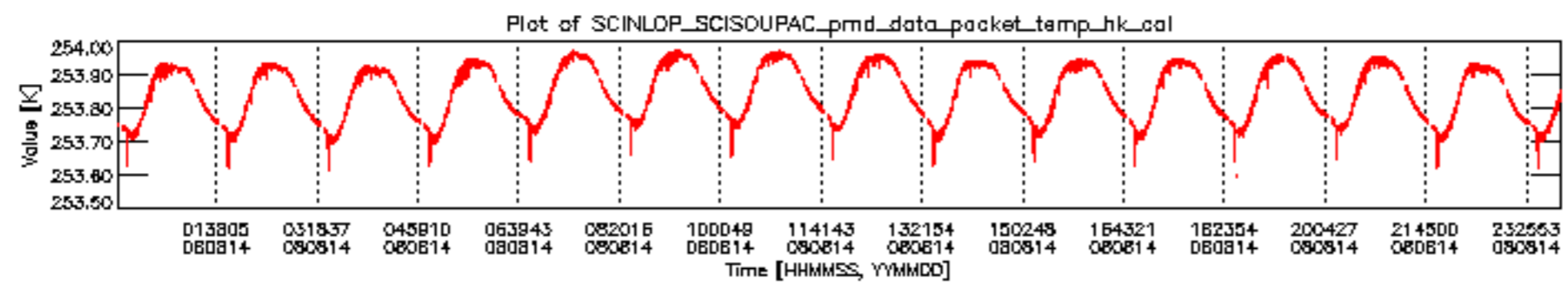


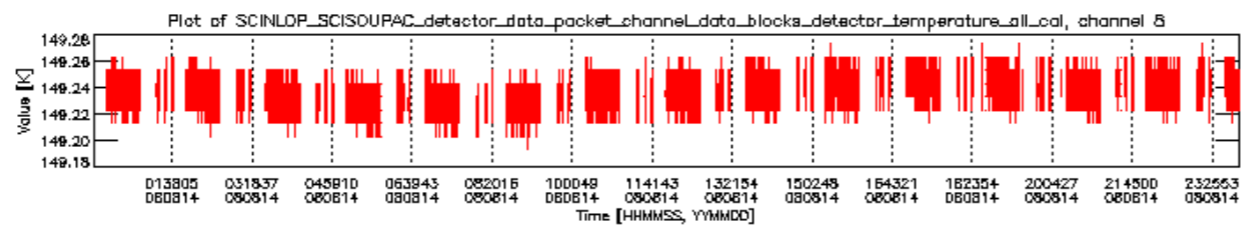
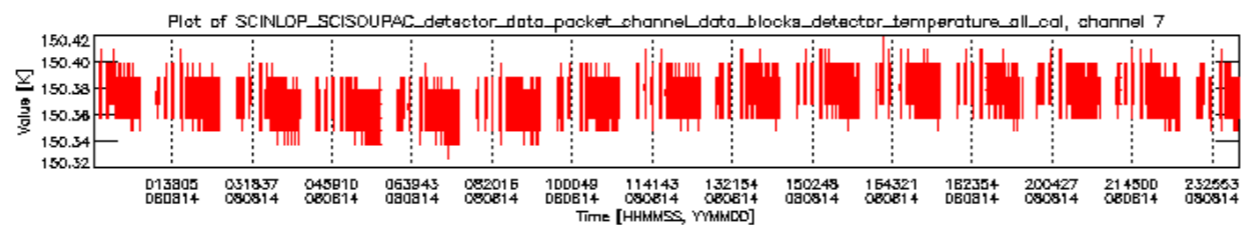
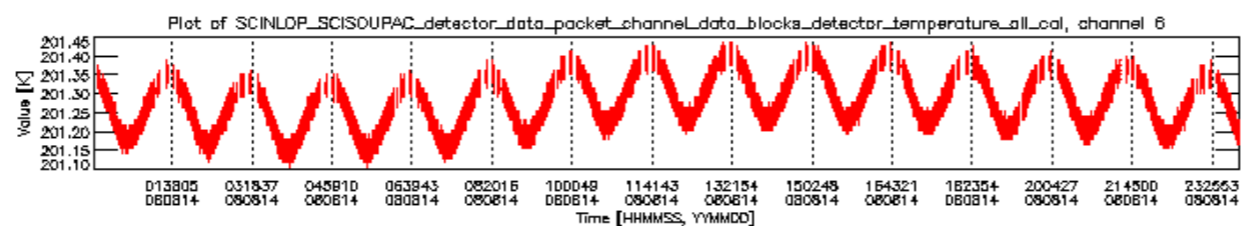
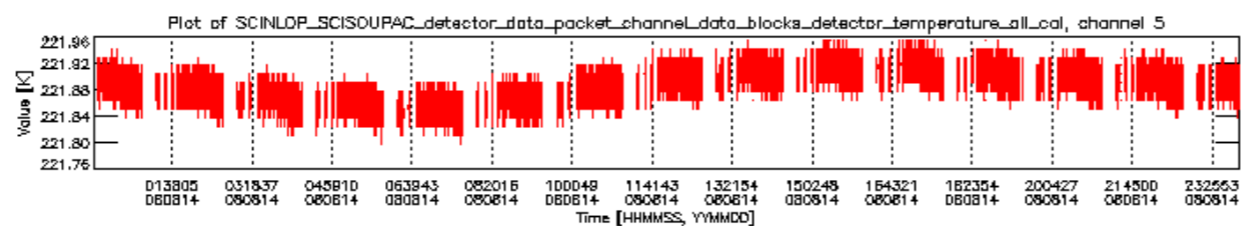
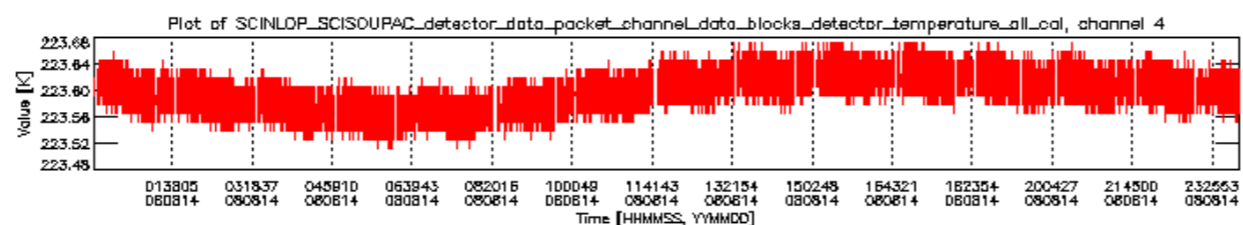
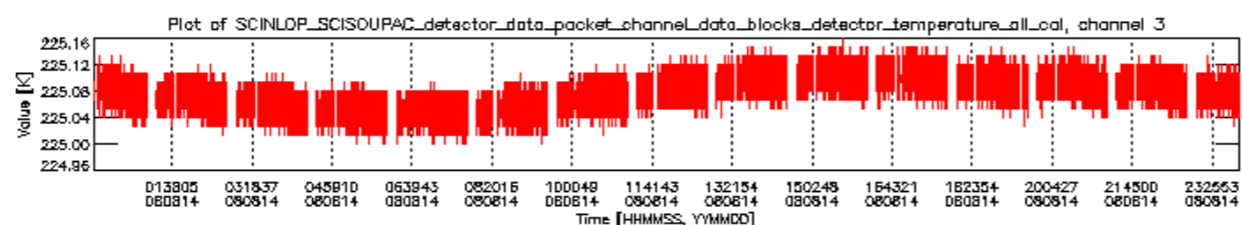
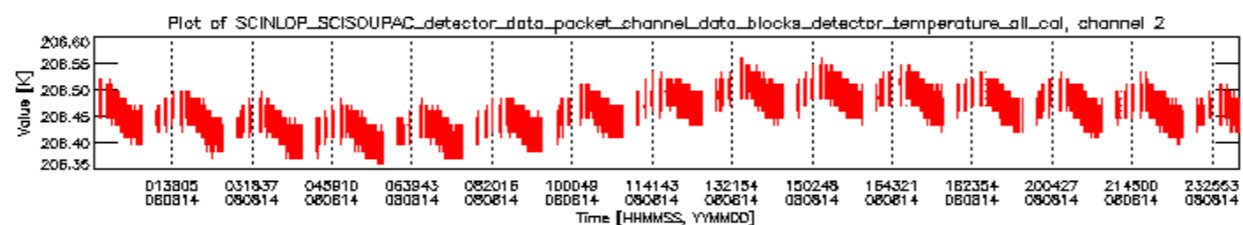
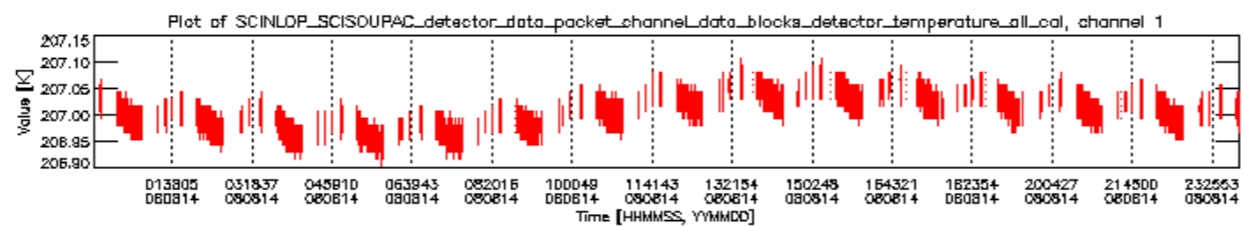
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080814_8.PNG

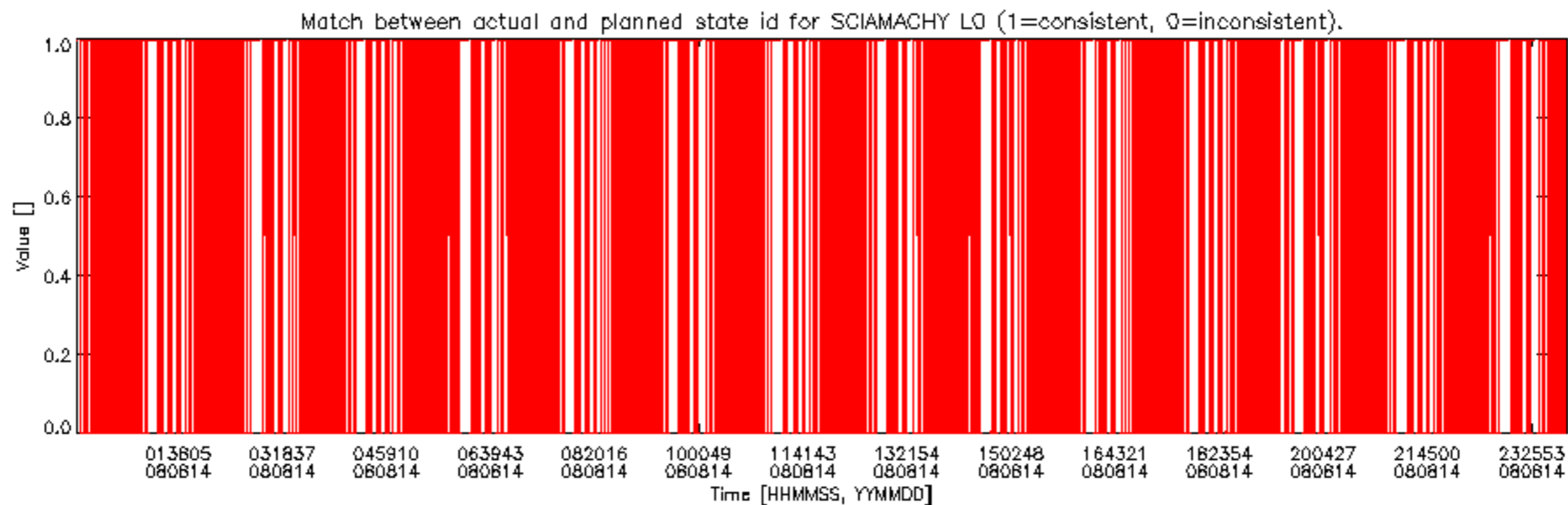
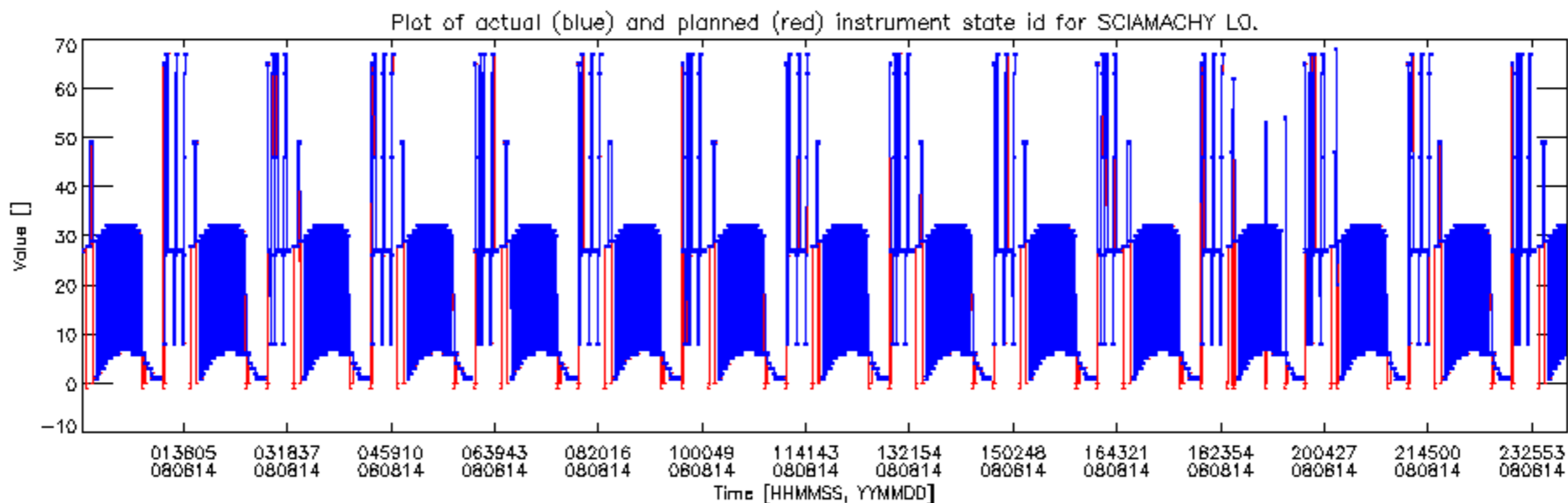












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