

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	03SEP2008 04:44:06
Data source version	KSPT_L0/4303-N
Processing scope for products	30AUG2008 00:00:00 to 31AUG2008 00:00:00
Start time of first product within scope	29AUG2008 23:41:53
Stop time of last product within scope	31AUG2008 00:52:23
Total number of level 0 products	18
Number of level 0 products with errors	10

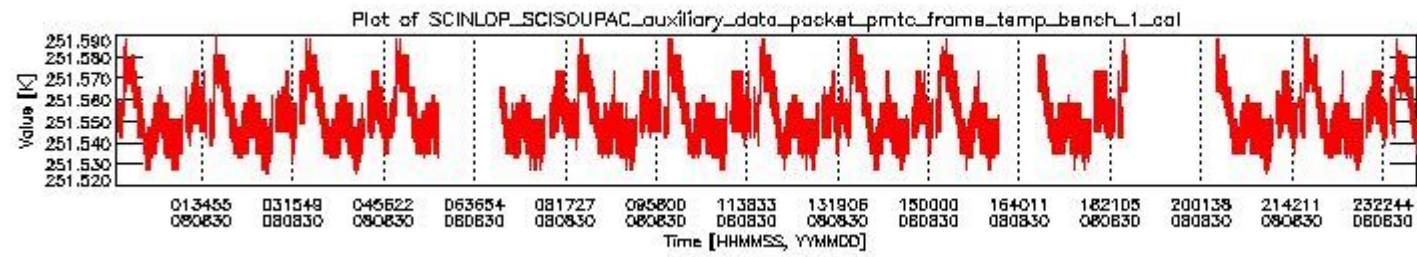
0.1.2 Summary per product

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

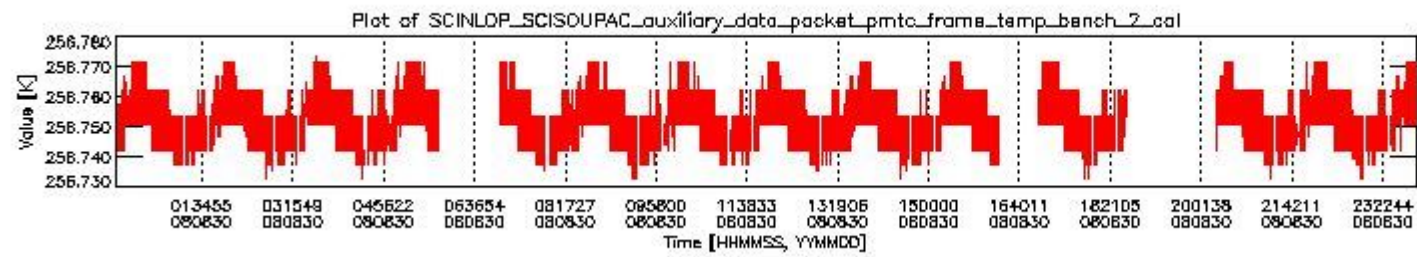
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080829_234153_000059882071_00359_33980_7409.N1	29AUG2008 23:41:53	30AUG2008 01:21:41	0	0	0	0	0
1	SCI_NL__OPNPDE20080830_012017_000048302071_00360_33981_7410.N1	30AUG2008 01:20:17	30AUG2008 02:40:47	0	0	0	0	0
2	SCI_NL__OPNPDE20080830_023938_000057882071_00361_33982_7411.N1	30AUG2008 02:39:38	30AUG2008 04:16:06	0	0	0	0	0
3	SCI_NL__OPNPDE20080830_041457_000061052071_00362_33983_7412.N1	30AUG2008 04:14:57	30AUG2008 05:56:43	0	0	0	0	0
4	SCI_NL__OPNPDK20080830_055547_000042262071_00363_33984_9172.N1	30AUG2008 05:55:47	30AUG2008 07:06:13	1	1	0	0	0
5	SCI_NL__OPNPDK20080830_070504_000061052071_00364_33985_9173.N1	30AUG2008 07:05:04	30AUG2008 08:46:49	1	1	0	0	0
6	SCI_NL__OPNPDK20080830_084649_000059682071_00365_33986_9174.N1	30AUG2008 08:46:49	30AUG2008 10:26:17	1	1	0	0	0
7	SCI_NL__OPNPDK20080830_102521_000060362071_00366_33987_9175.N1	30AUG2008 10:25:21	30AUG2008 12:05:57	1	1	0	0	0
8	SCI_NL__OPNPDK20080830_120557_000059682071_00367_33988_9176.N1	30AUG2008 12:05:57	30AUG2008 13:45:25	0	0	0	0	0
9	SCI_NL__OPNPDK20080830_134429_000058562071_00368_33989_9177.N1	30AUG2008 13:44:29	30AUG2008 15:22:05	1	1	1	0	0
10	SCI_NL__OPNPDK20080830_152057_000032992071_00369_33990_9178.N1	30AUG2008 15:20:57	30AUG2008 16:15:55	1	1	0	0	0
11	SCI_NL__OPNPDK20080830_161555_000027382071_00369_33990_9179.N1	30AUG2008 16:15:55	30AUG2008 17:01:33	1	1	0	0	0
12	SCI_NL__OPNPDK20080830_170025_000058202071_00370_33991_9183.N1	30AUG2008 17:00:25	30AUG2008 18:37:24	1	1	0	0	0
13	SCI_NL__OPNPDK20080830_174358_000032072071_00370_33991_9181.N1	30AUG2008 17:43:58	30AUG2008 18:37:24	1	1	0	0	0
14	SCI_NL__OPNPDK20080830_183628_000061482071_00371_33992_9184.N1	30AUG2008 18:36:28	30AUG2008 20:18:57	1	1	1	0	0
15	SCI_NL__OPNPDE20080830_201705_000043132071_00372_33993_7413.N1	30AUG2008 20:17:05	30AUG2008 21:28:58	0	0	0	0	0
16	SCI_NL__OPNPDE20080830_212734_000061692071_00372_33993_7414.N1	30AUG2008 21:27:34	30AUG2008 23:10:23	0	0	0	0	0
17	SCI_NL__OPNPDE20080830_231023_000061202071_00373_33994_7415.N1	30AUG2008 23:10:23	31AUG2008 00:52:23	0	0	0	0	0

0.2 Product Quality Indicators

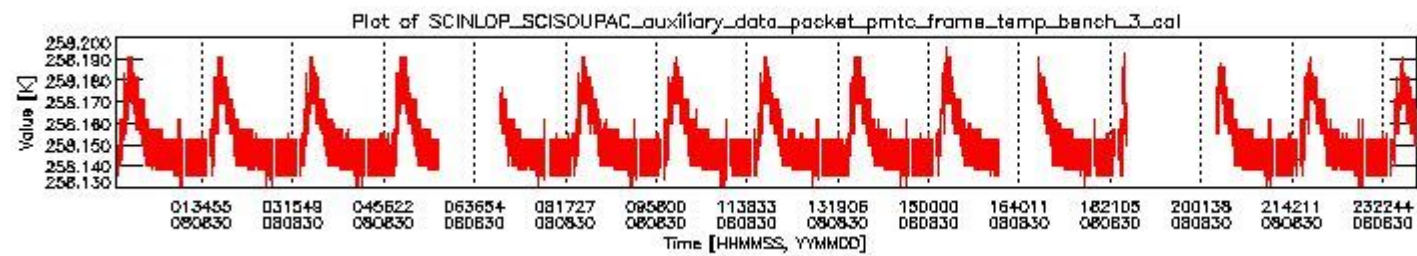
This section shows information about product quality, currently temperatures.



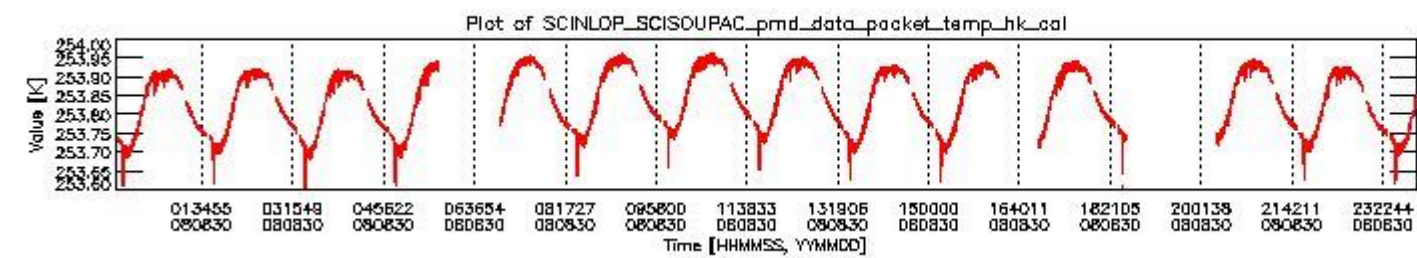
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080830_0.PNG



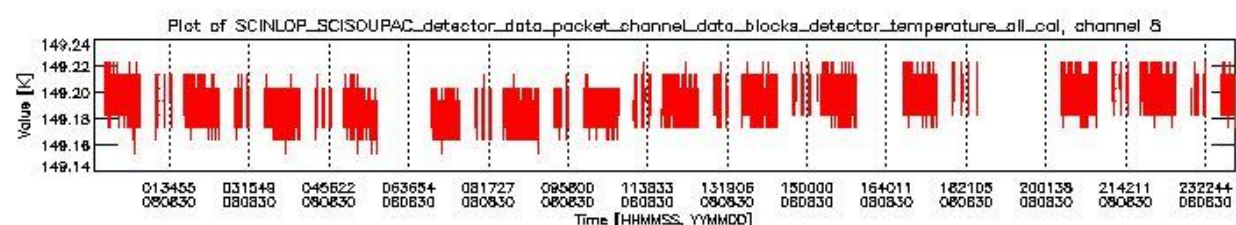
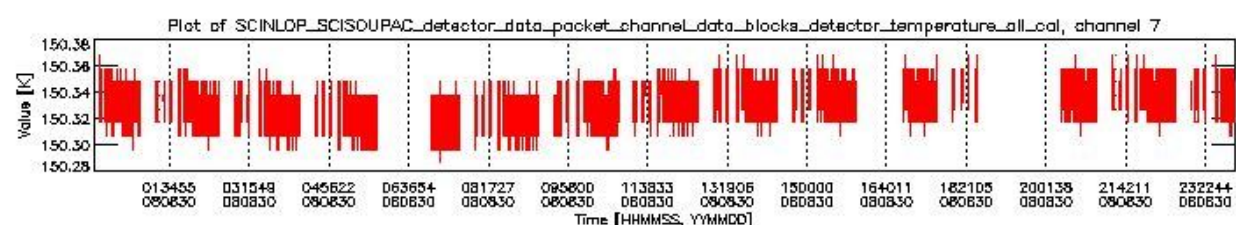
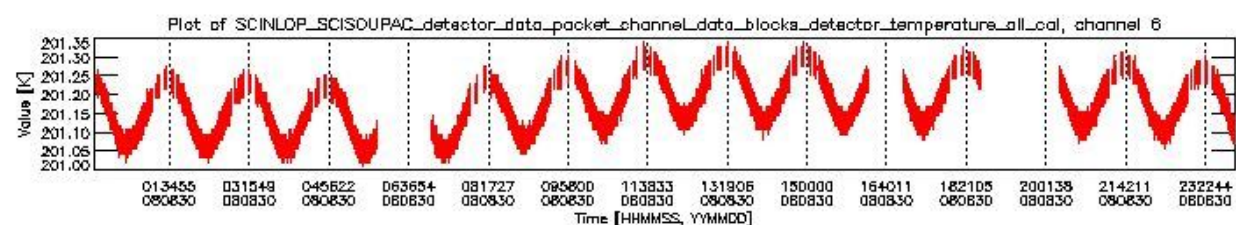
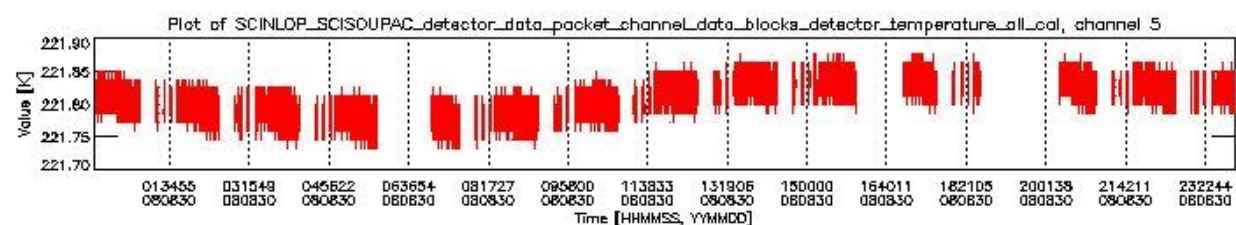
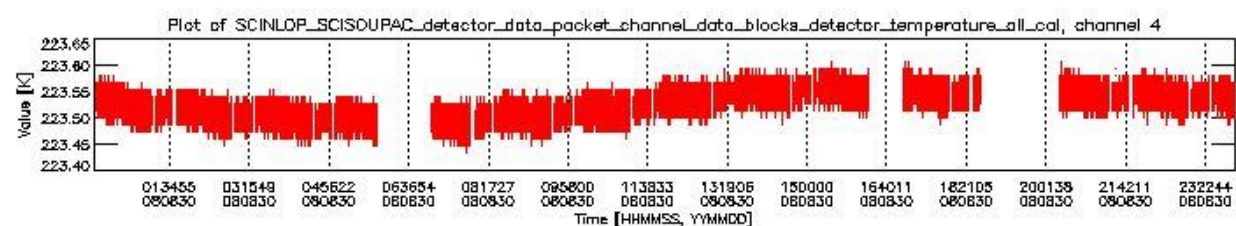
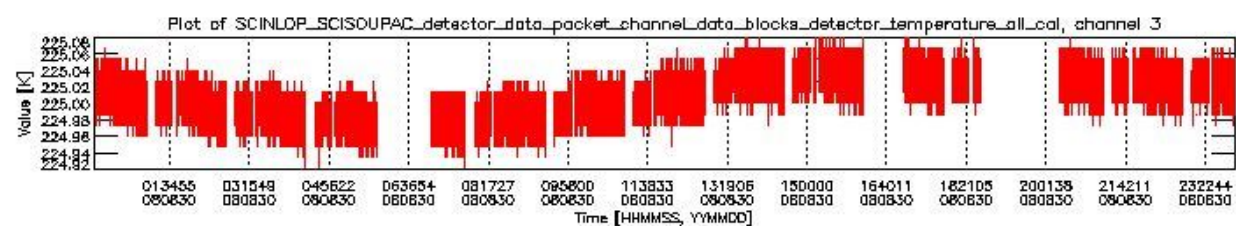
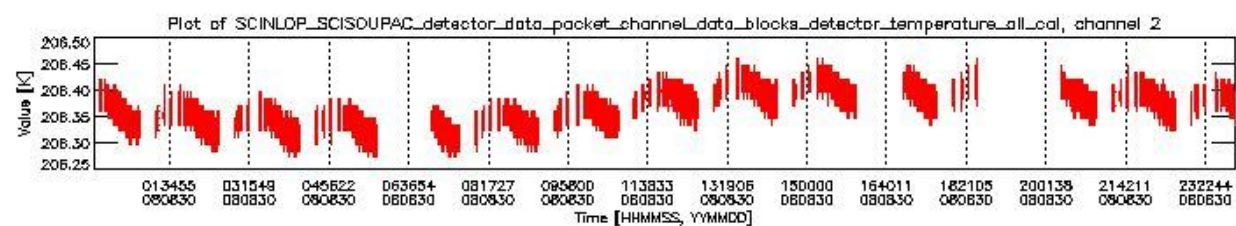
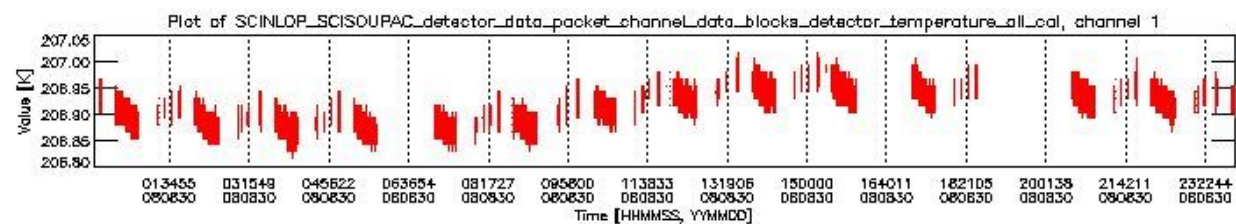
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080830_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080830_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080830_3.PNG

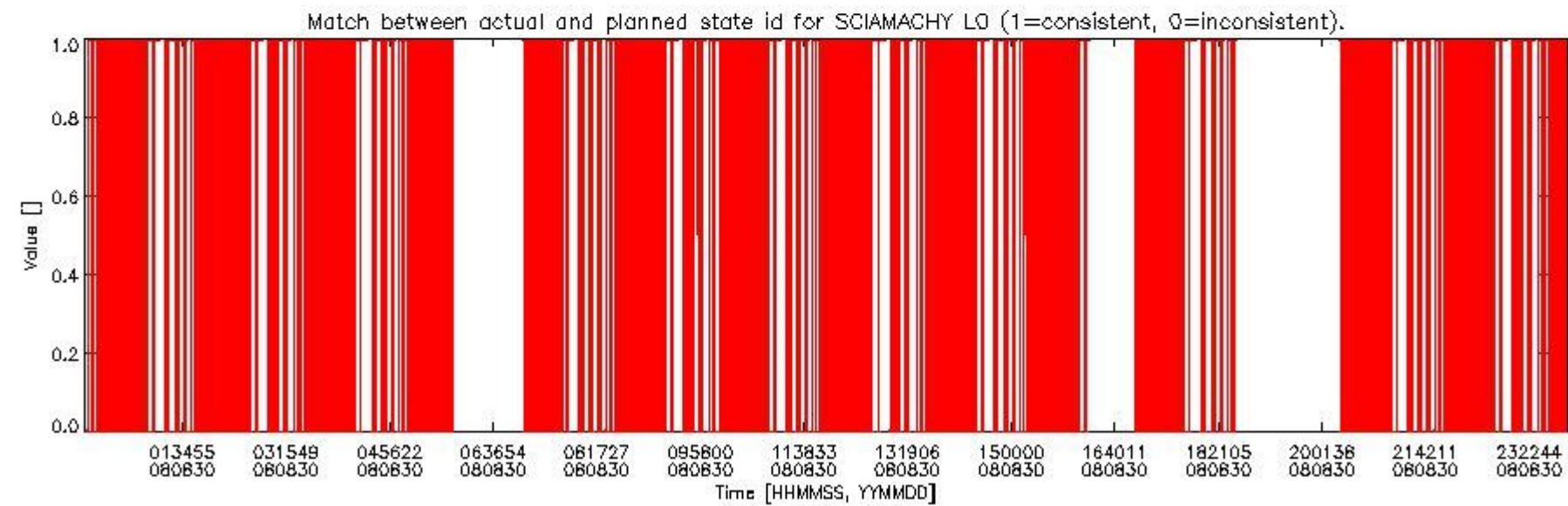
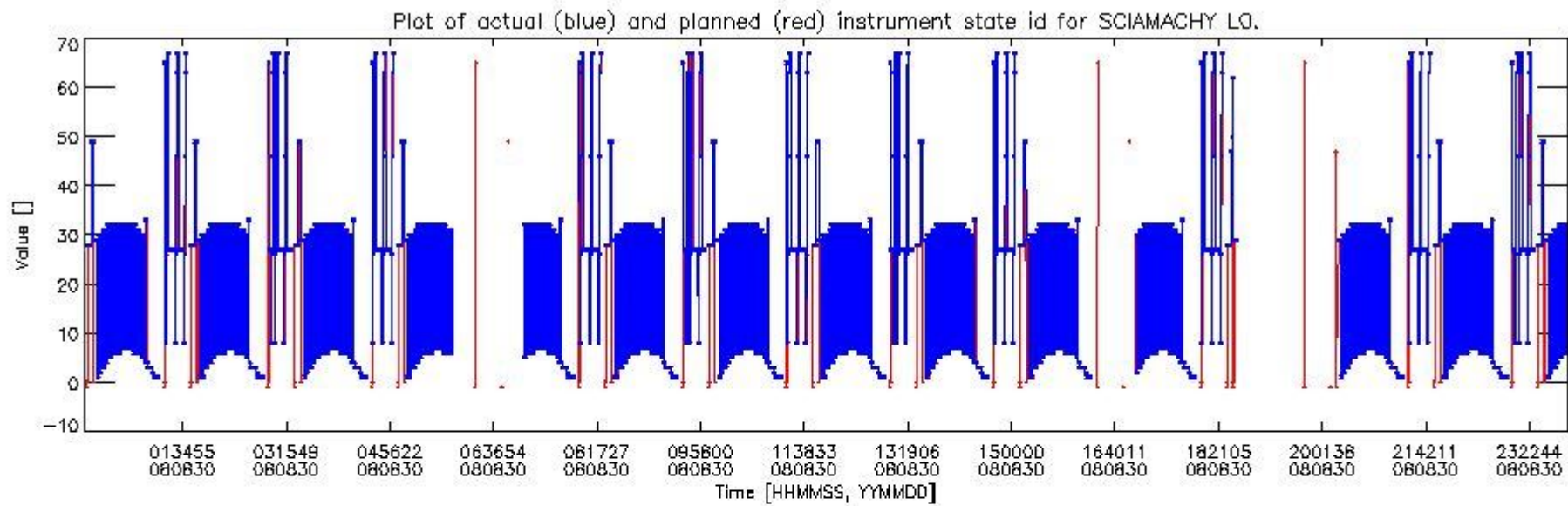


0.3 State monitoring

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: **42536**

#	Actual time	Actual value	Planned time	Planned value
0	30AUG2008 00:02:30.730866	28	30AUG2008 00:02:30.730866	0
1	30AUG2008 00:02:31.355848	28	30AUG2008 00:02:31.355848	0
2	30AUG2008 00:02:31.730861	28	30AUG2008 00:02:31.730861	0
3	30AUG2008 00:02:32.105874	28	30AUG2008 00:02:32.105874	0
4	30AUG2008 00:02:32.668373	28	30AUG2008 00:02:32.668373	0
5	30AUG2008 00:02:33.043346	28	30AUG2008 00:02:33.043346	0
6	30AUG2008 00:02:33.418359	28	30AUG2008 00:02:33.418359	0
7	30AUG2008 00:02:33.793372	28	30AUG2008 00:02:33.793372	0
8	30AUG2008 00:02:34.355872	28	30AUG2008 00:02:34.355872	0
9	30AUG2008 00:02:34.730844	28	30AUG2008 00:02:34.730844	0
10	30AUG2008 00:02:35.105858	28	30AUG2008 00:02:35.105858	0
11	30AUG2008 00:02:35.480871	28	30AUG2008 00:02:35.480871	0
12	30AUG2008 00:02:35.730879	28	30AUG2008 00:02:35.730879	0
13	30AUG2008 00:02:36.043370	28	30AUG2008 00:02:36.043370	0
14	30AUG2008 00:02:36.418383	28	30AUG2008 00:02:36.418383	0
15	30AUG2008 00:02:36.793356	28	30AUG2008 00:02:36.793356	0
16	30AUG2008 00:02:37.168369	28	30AUG2008 00:02:37.168369	0
17	30AUG2008 00:02:37.730868	28	30AUG2008 00:02:37.730868	0
18	30AUG2008 00:02:38.105882	28	30AUG2008 00:02:38.105882	0
19	30AUG2008 00:02:38.480854	28	30AUG2008 00:02:38.480854	0

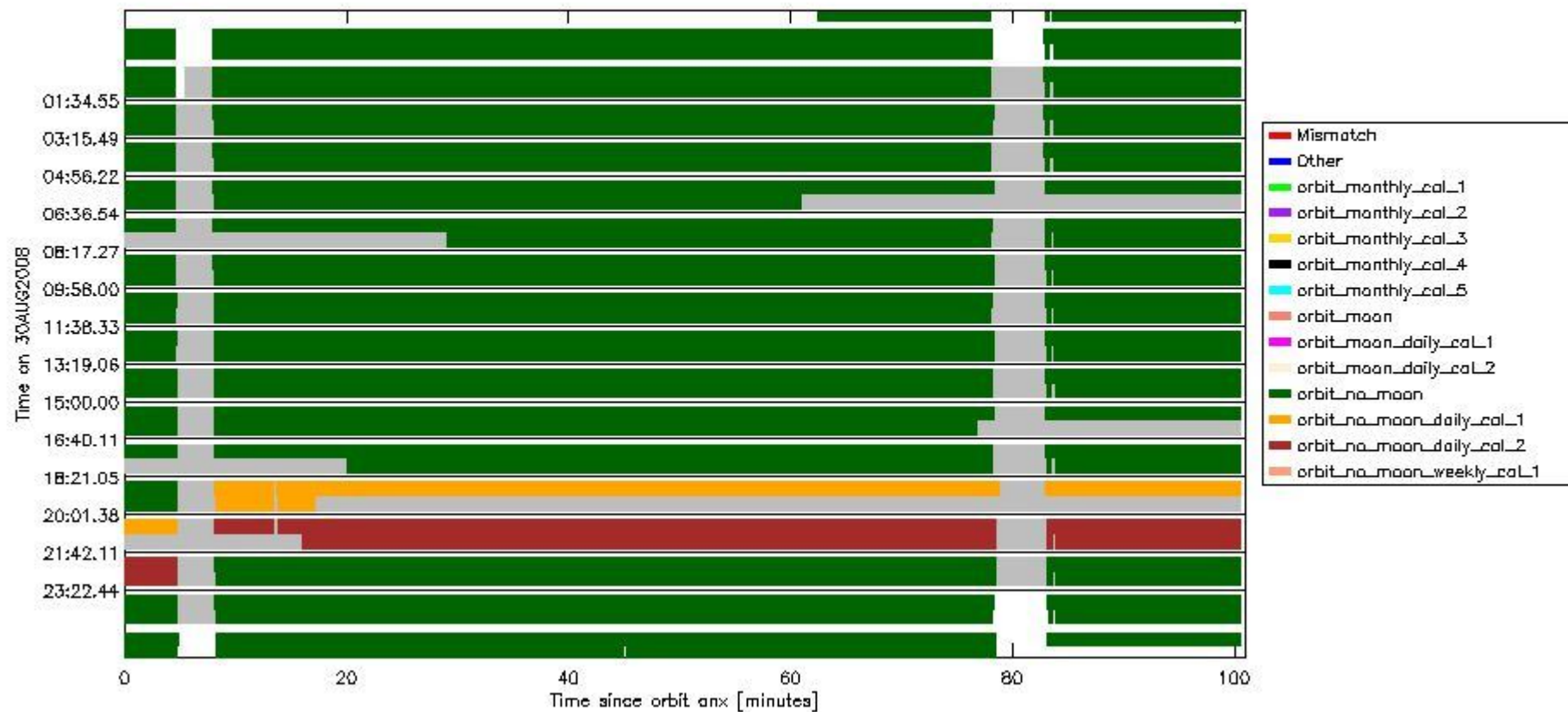


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080830_5.PNG

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 30AUG2008.
 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_20080830_6.PNG

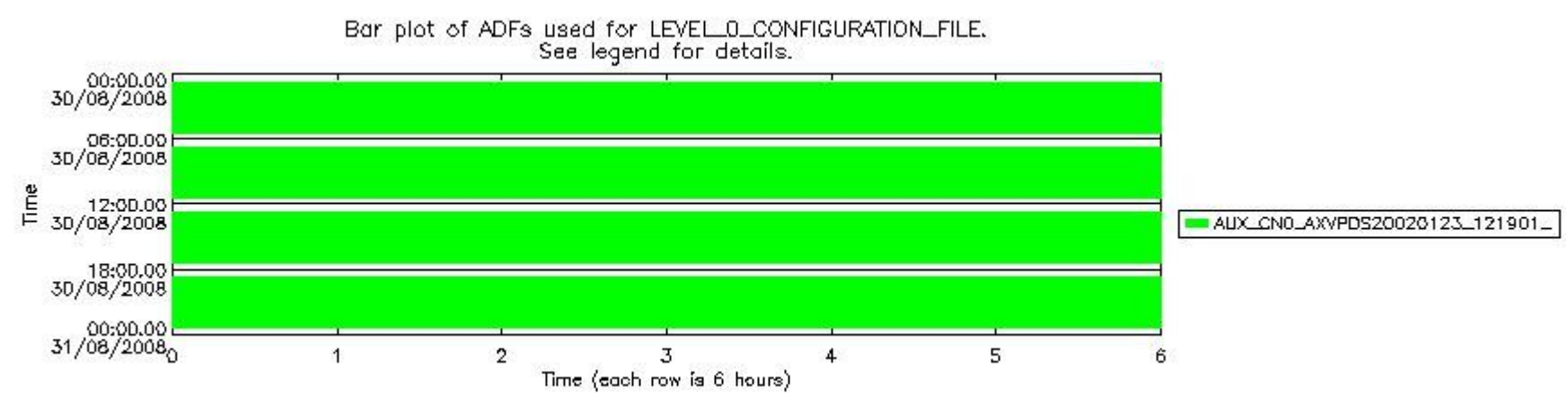
0.4 ADF monitoring

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

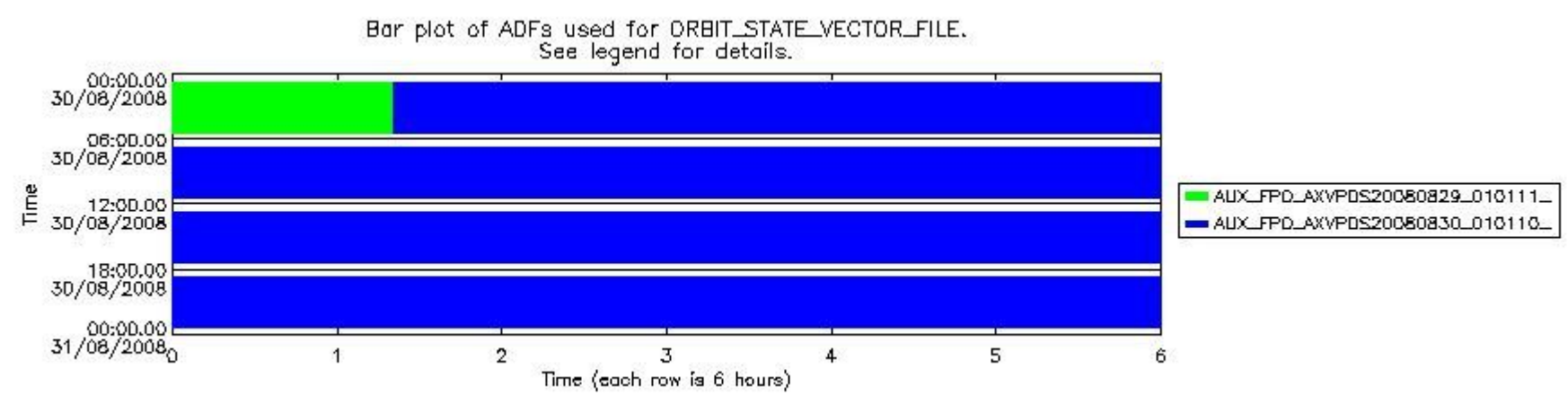
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

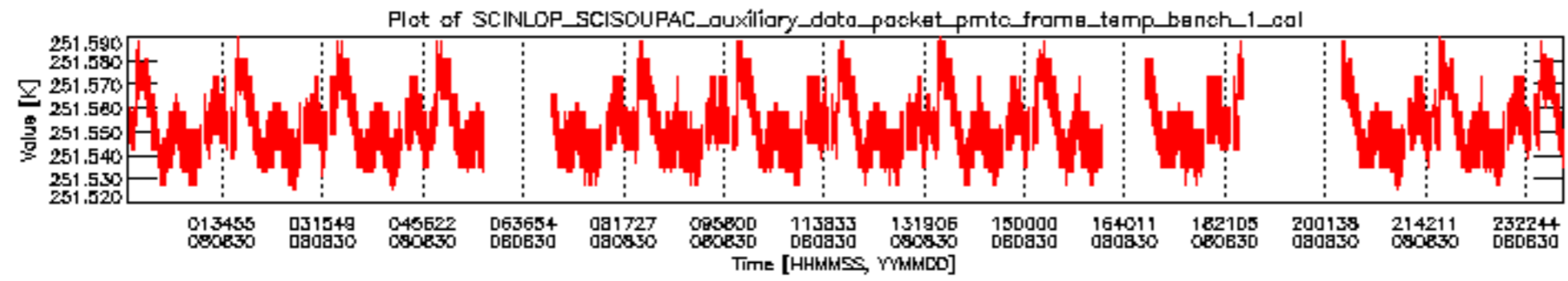
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080829_010111_20080828_192416_20080907_205029
2	AUX_FPO_AXVPDS20080830_010110_20080829_185239_20080908_201851

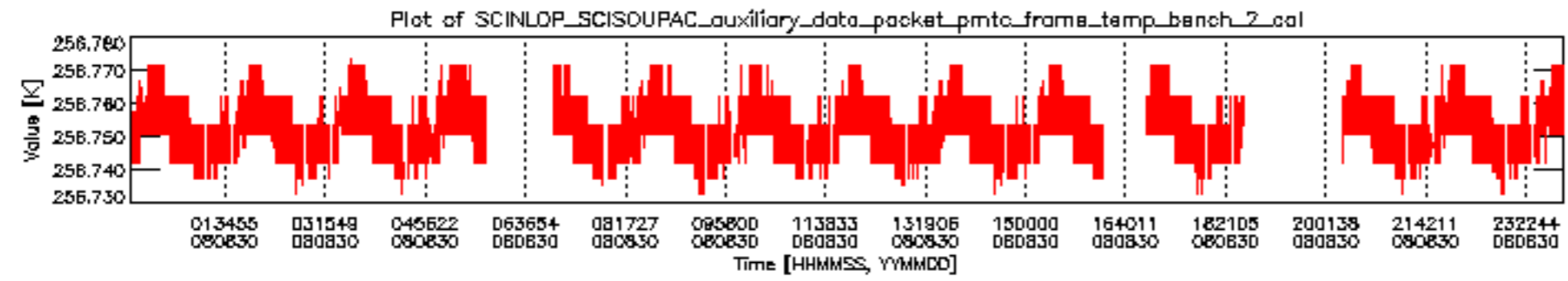


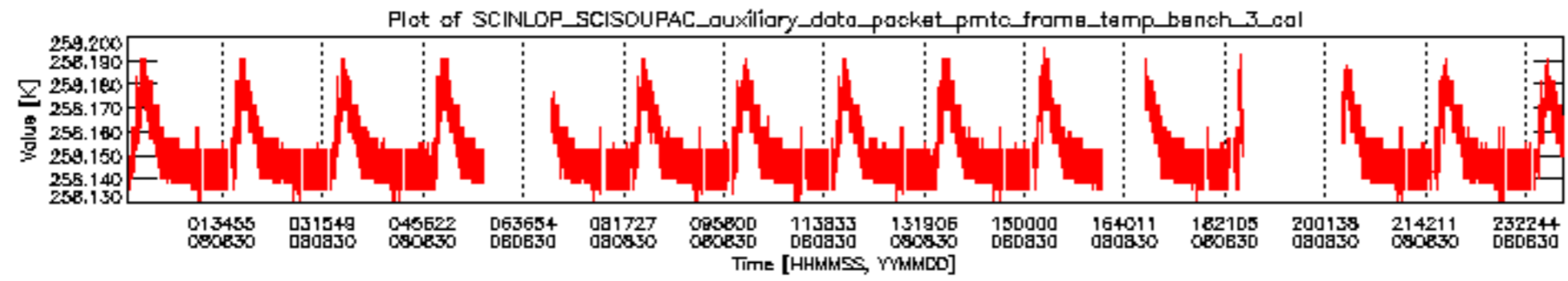
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080830_7.PNG

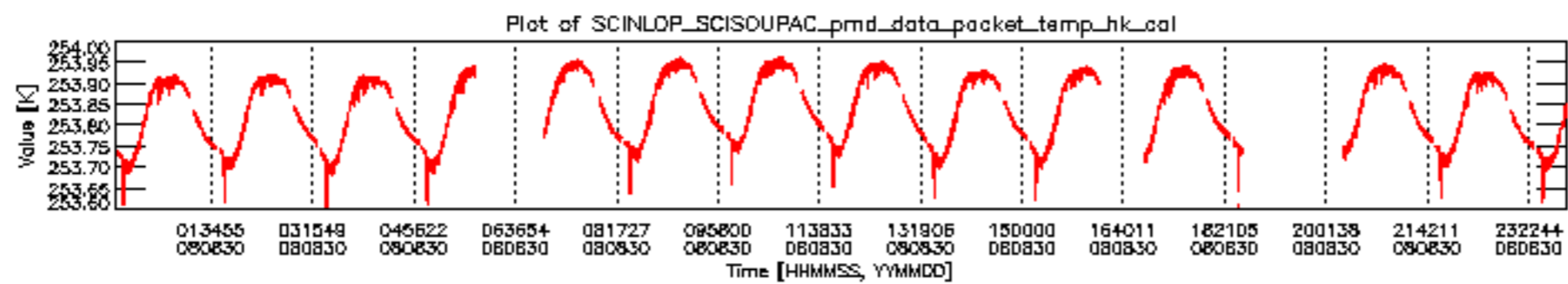


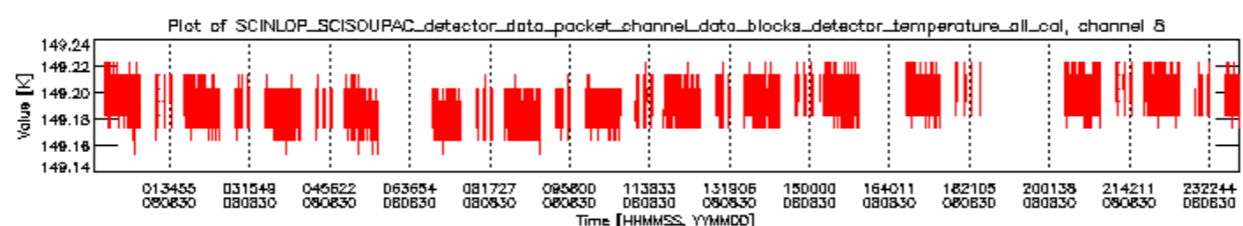
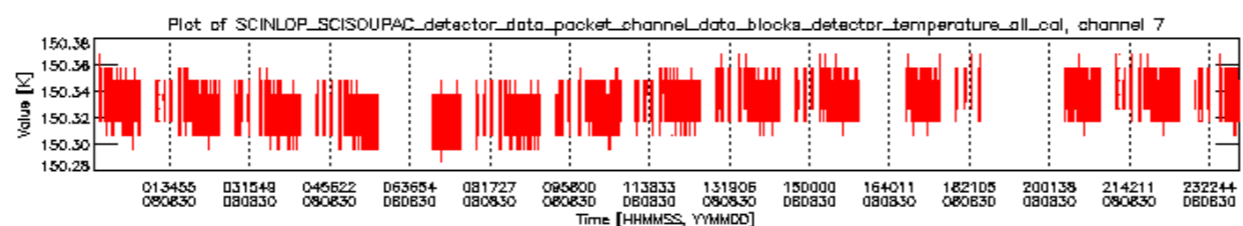
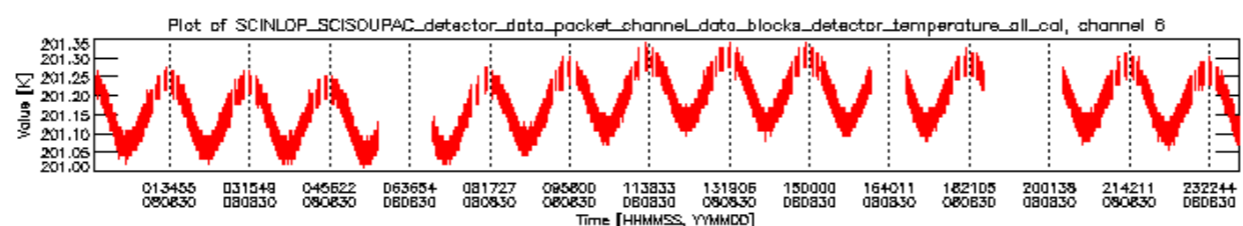
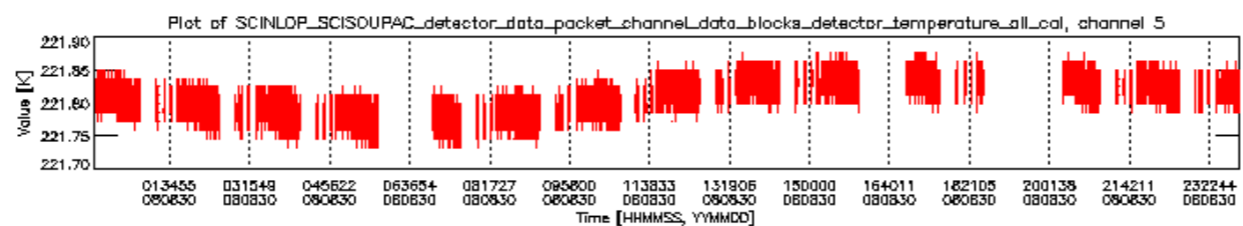
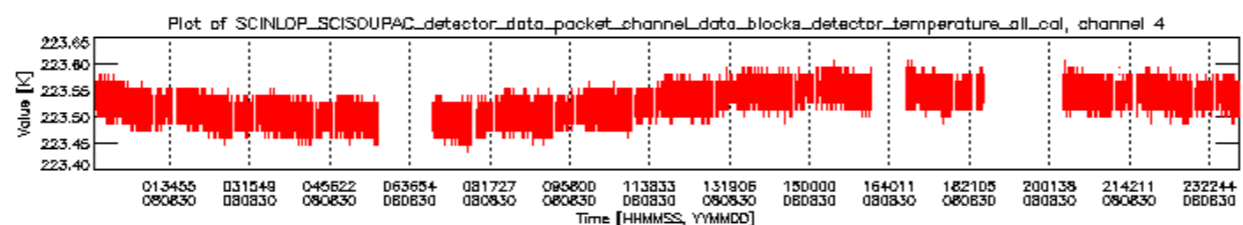
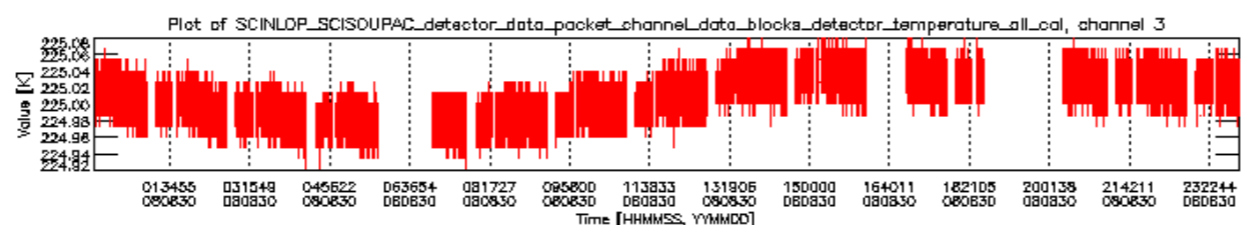
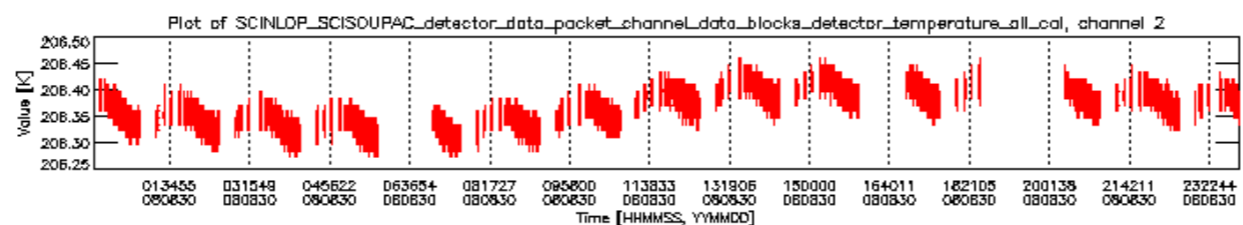
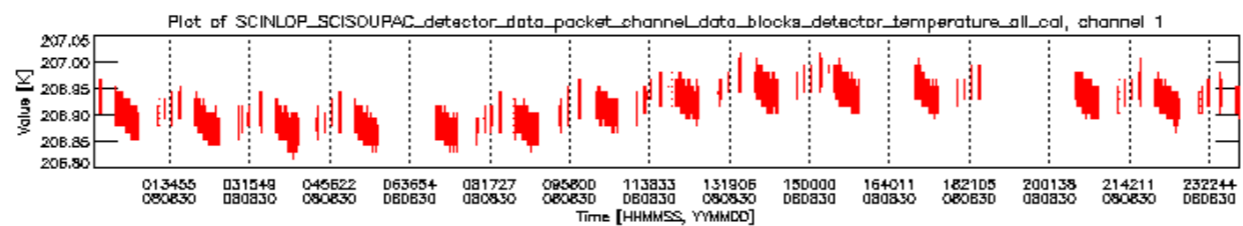
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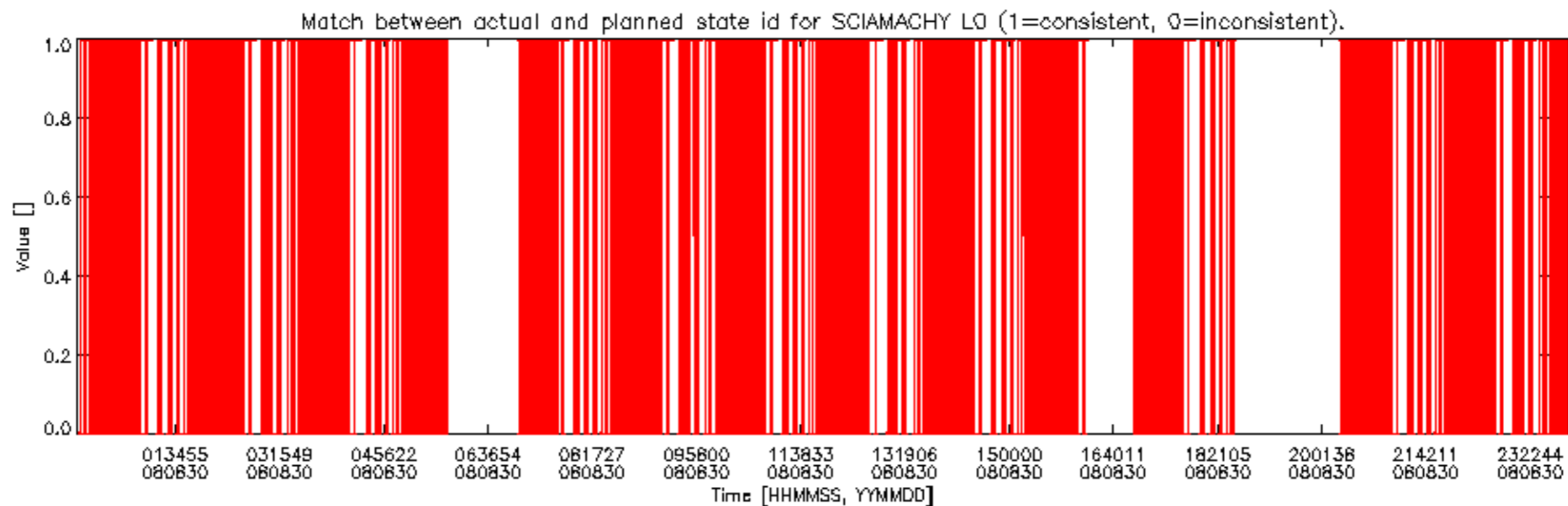
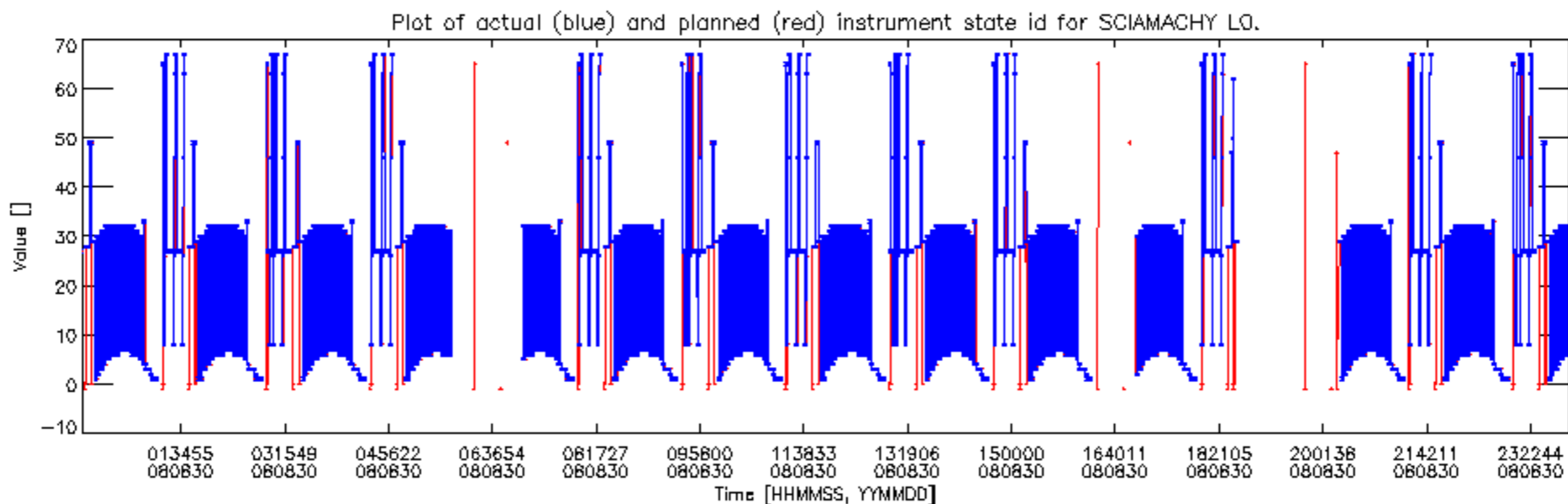












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