

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	20AUG2011 03:06:47
Data source version	KSPT_LO/4504-N
Processing scope for products	13AUG2011 00:00:00 to 14AUG2011 00:00:00
Start time of first product within scope	13AUG2011 01:14:48
Stop time of last product within scope	14AUG2011 00:39:29
Total number of Level 0 products	14
Number of Level 0 products with errors	0

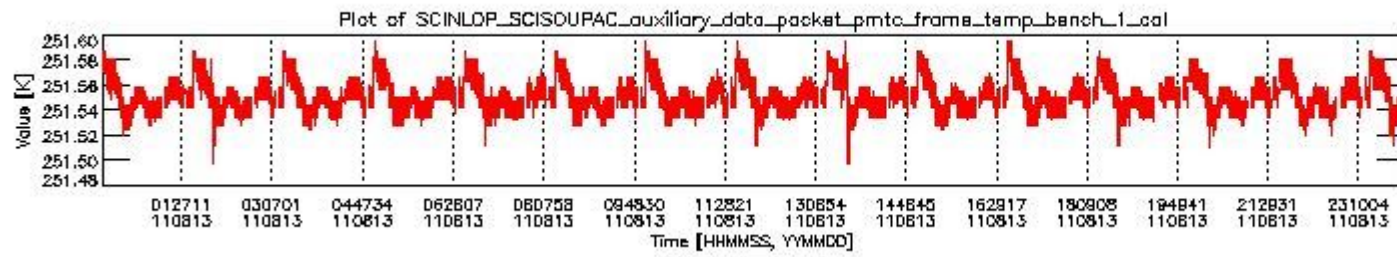
0.1.2 Summary per product

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

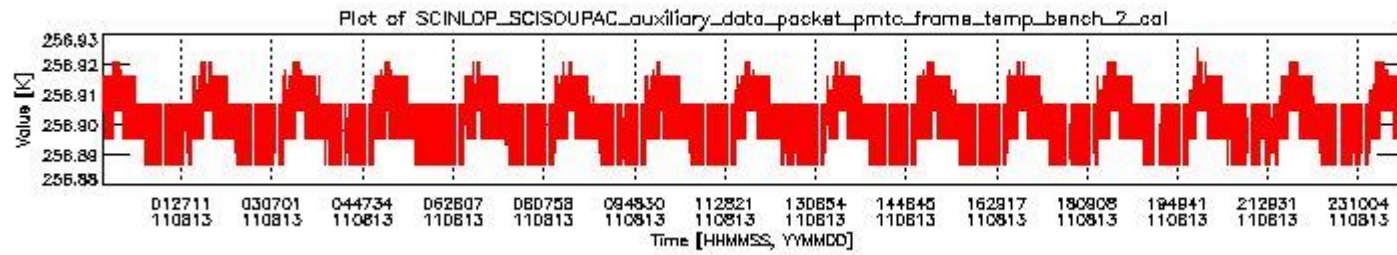
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20110813_011448_000102463105_00275_49427_6953.N1	13AUG2011 01:14:48	13AUG2011 04:05:33	0	0	0	0	0
1	SCI_NL__OPNPDE20110813_040533_000061373105_00277_49429_6954.N1	13AUG2011 04:05:33	13AUG2011 05:47:51	0	0	0	0	0
2	SCI_NL__OPNPDE20110813_054751_000060143105_00278_49430_6955.N1	13AUG2011 05:47:51	13AUG2011 07:28:05	0	0	0	0	0
3	SCI_NL__OPNPDK20110813_073026_000039103105_00279_49431_5414.N1	13AUG2011 07:30:26	13AUG2011 08:35:35	0	0	0	0	0
4	SCI_NL__OPNPDK20110813_083535_000061373105_00280_49432_5415.N1	13AUG2011 08:35:35	13AUG2011 10:17:53	0	0	0	0	0
5	SCI_NL__OPNPDK20110813_101644_000058923105_00281_49433_5416.N1	13AUG2011 10:16:44	13AUG2011 11:54:55	0	0	0	0	0
6	SCI_NL__OPNPDK20110813_115455_000060143105_00282_49434_5417.N1	13AUG2011 11:54:55	13AUG2011 13:35:10	0	0	0	0	0
7	SCI_NL__OPNPDK20110813_133416_000058923105_00283_49435_5418.N1	13AUG2011 13:34:16	13AUG2011 15:12:27	0	0	0	0	0
8	SCI_NL__OPNPDK20110813_151119_000059603105_00284_49436_5419.N1	13AUG2011 15:11:19	13AUG2011 16:50:39	0	0	0	0	0
9	SCI_NL__OPNPDK20110813_164930_000058673105_00285_49437_5420.N1	13AUG2011 16:49:30	13AUG2011 18:27:18	0	0	0	0	0
10	SCI_NL__OPNPDK20110813_182718_000059233105_00286_49438_5421.N1	13AUG2011 18:27:18	13AUG2011 20:06:00	0	0	0	0	0
11	SCI_NL__OPNPDE20110813_200356_000040413105_00287_49439_6956.N1	13AUG2011 20:03:56	13AUG2011 21:11:17	0	0	0	0	0
12	SCI_NL__OPNPDE20110813_211033_000064803105_00287_49439_6957.N1	13AUG2011 21:10:33	13AUG2011 22:58:33	0	0	0	0	0
13	SCI_NL__OPNPDE20110813_225759_000060903105_00288_49440_6958.N1	13AUG2011 22:57:59	14AUG2011 00:39:29	0	0	0	0	0

0.2 Product Quality Indicators

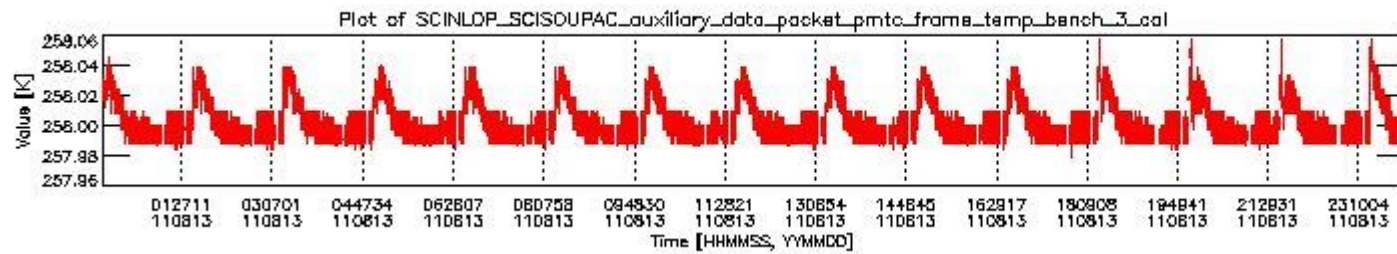
This section shows information about product quality, currently temperatures.



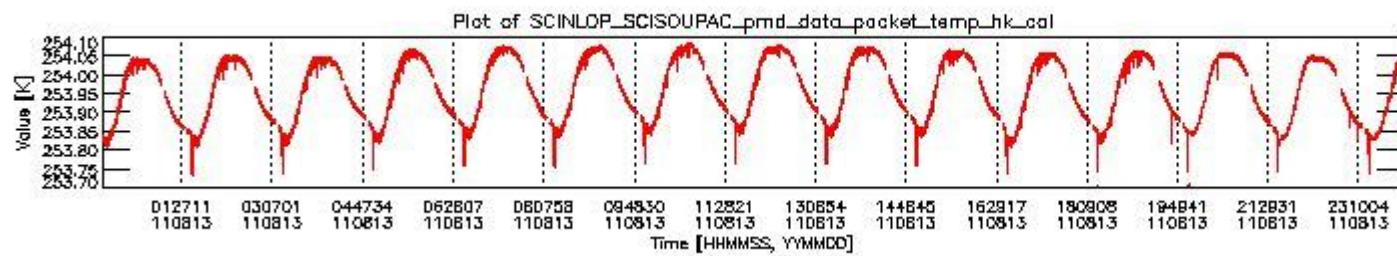
sciamachy_daily_report_level0_KSPT_L0_4504_N_20110813_0.PNG



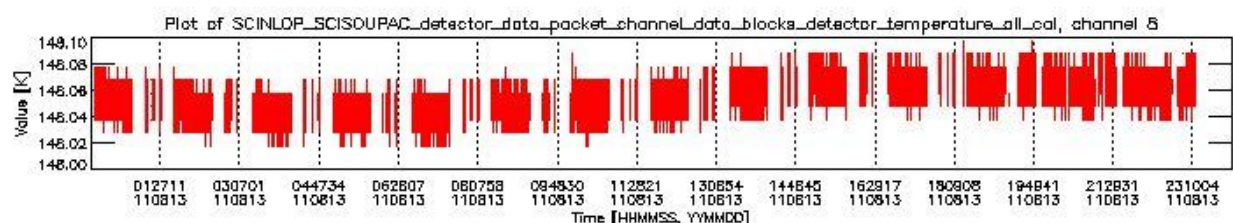
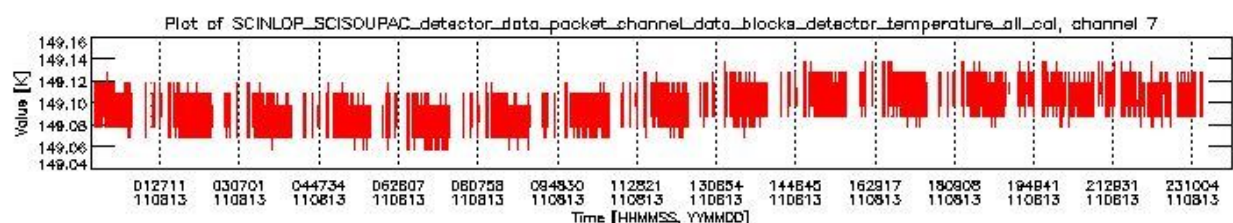
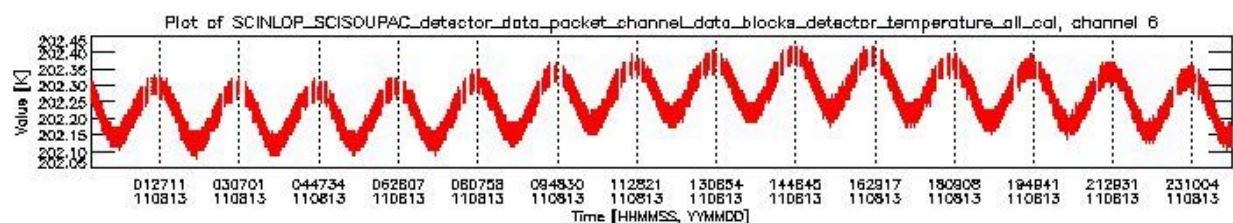
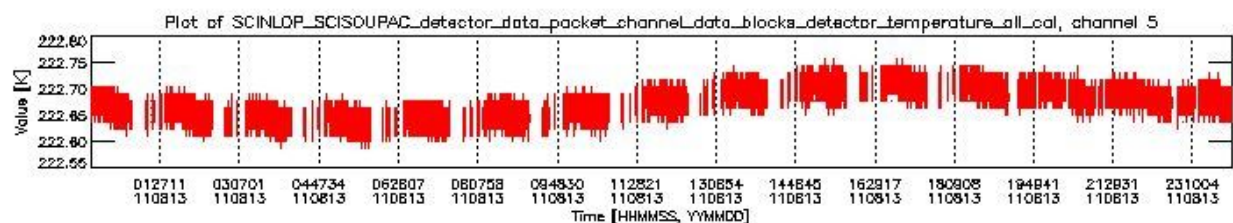
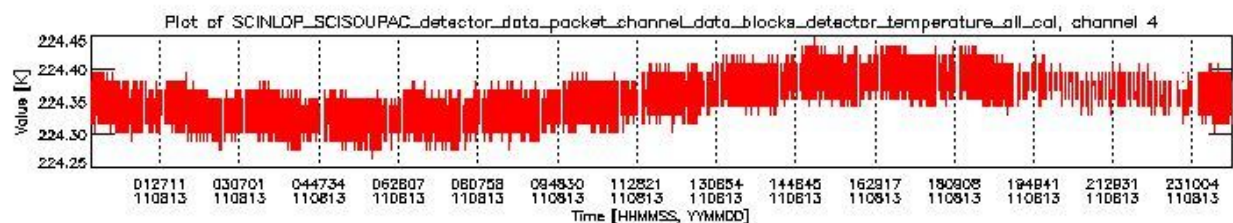
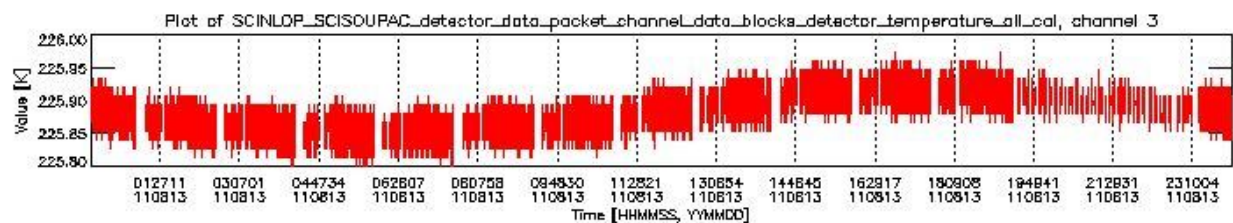
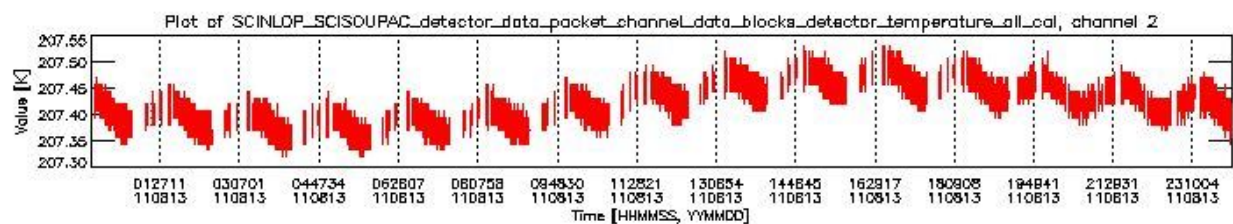
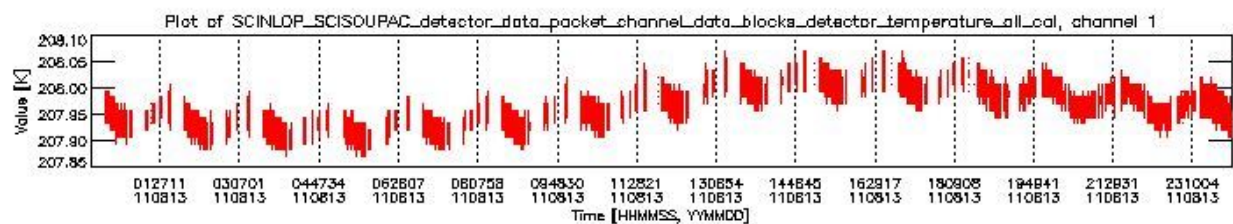
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sciamachy_daily_report_level0_KSPT_L0_4504_N_20110813_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4504_N_20110813_3.PNG

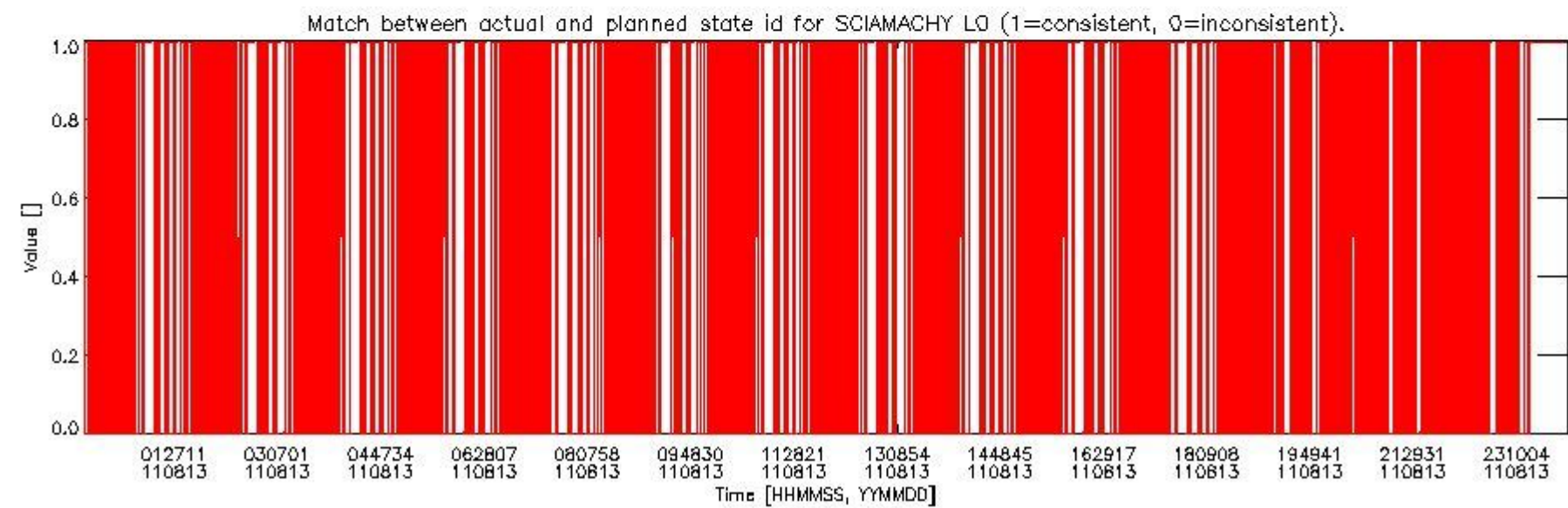
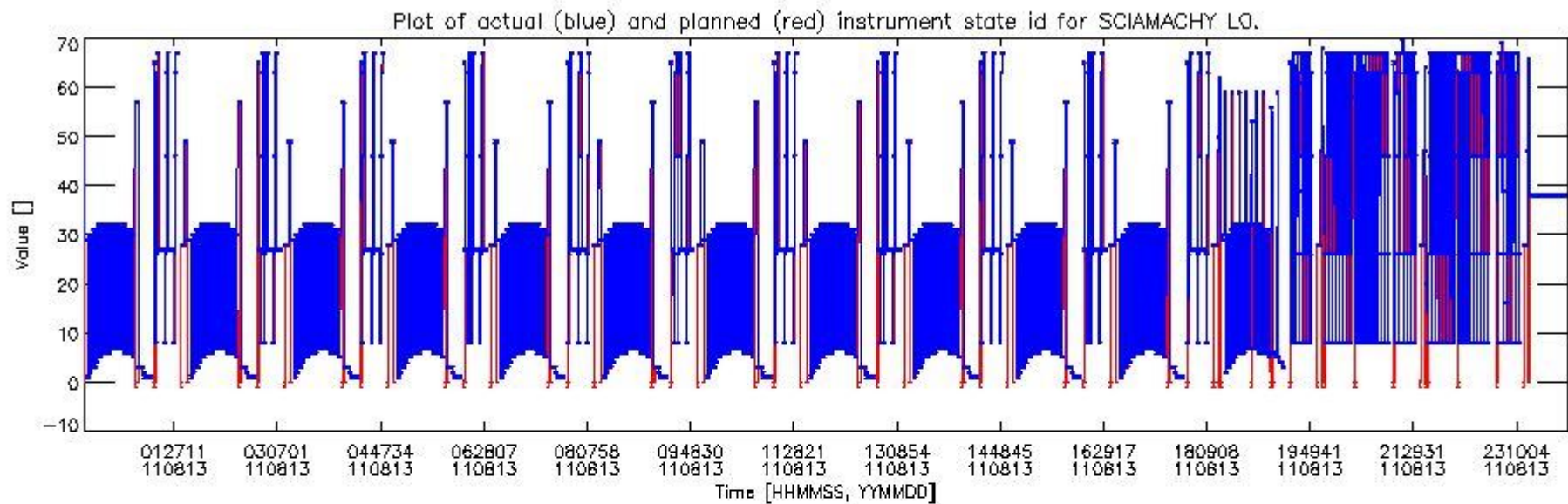


0.3 State monitoring

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: **61411**

#	Actual time	Actual value	Planned time	Planned value
0	13AUG2011 00:03:01.801244	1	13AUG2011 00:03:01.801244	29
1	13AUG2011 00:03:02.051244	1	13AUG2011 00:03:02.051244	29
2	13AUG2011 00:03:02.176244	1	13AUG2011 00:03:02.176244	29
3	13AUG2011 00:03:02.301244	1	13AUG2011 00:03:02.301244	29
4	13AUG2011 00:03:02.426244	1	13AUG2011 00:03:02.426244	29
5	13AUG2011 00:03:02.551244	1	13AUG2011 00:03:02.551244	29
6	13AUG2011 00:03:02.676244	1	13AUG2011 00:03:02.676244	29
7	13AUG2011 00:03:02.801244	1	13AUG2011 00:03:02.801244	29
8	13AUG2011 00:03:02.926244	1	13AUG2011 00:03:02.926244	29
9	13AUG2011 00:03:03.051244	1	13AUG2011 00:03:03.051244	29
10	13AUG2011 00:03:03.176244	1	13AUG2011 00:03:03.176244	29
11	13AUG2011 00:03:03.301244	1	13AUG2011 00:03:03.301244	29
12	13AUG2011 00:03:03.426244	1	13AUG2011 00:03:03.426244	29
13	13AUG2011 00:03:03.551244	1	13AUG2011 00:03:03.551244	29
14	13AUG2011 00:03:03.676244	1	13AUG2011 00:03:03.676244	29
15	13AUG2011 00:03:03.801244	1	13AUG2011 00:03:03.801244	29
16	13AUG2011 00:03:03.926244	1	13AUG2011 00:03:03.926244	29
17	13AUG2011 00:03:04.051244	1	13AUG2011 00:03:04.051244	29
18	13AUG2011 00:03:04.176244	1	13AUG2011 00:03:04.176244	29
19	13AUG2011 00:03:04.301244	1	13AUG2011 00:03:04.301244	29
...

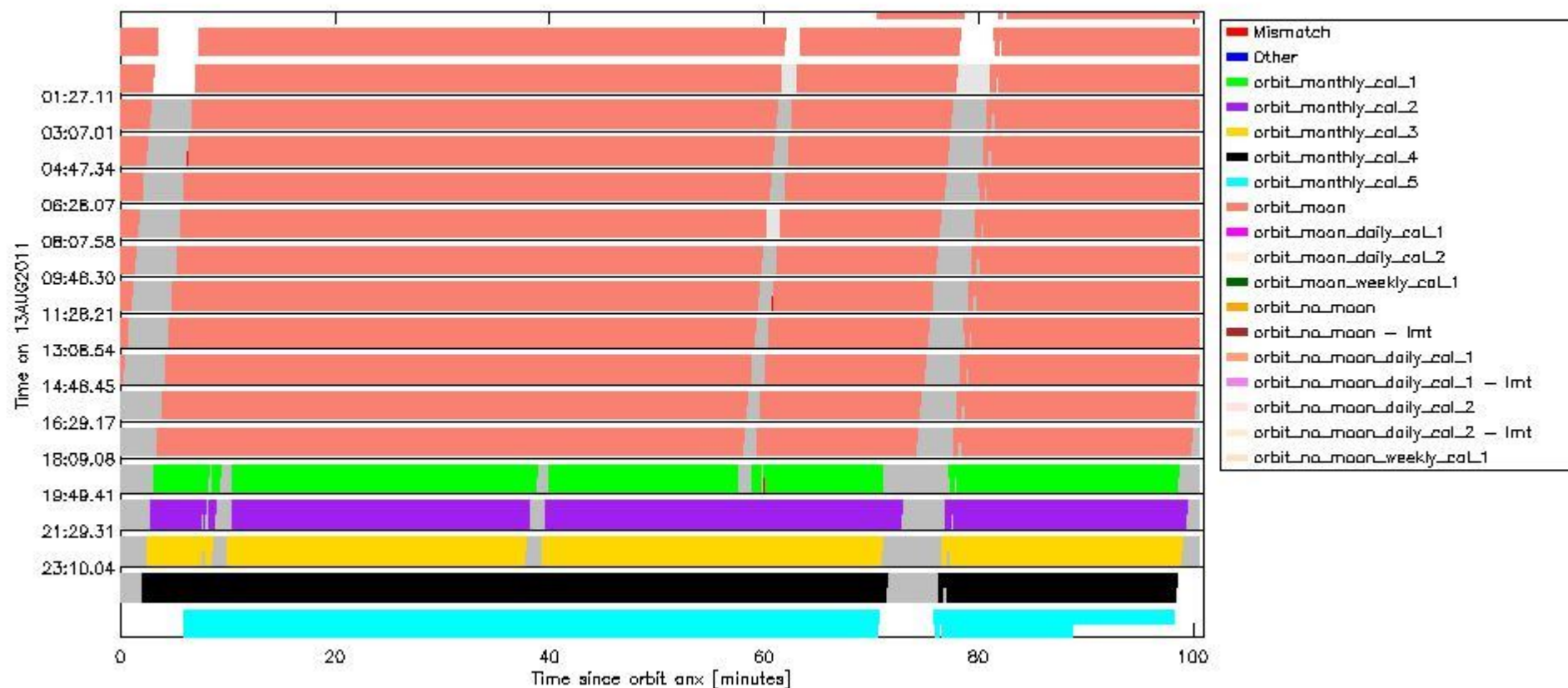


sciamachy_daily_report_level0_KSPT_L0_4504_N_20110813_5.PNG

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 13AUG2011.
 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_4504_N_20110813_6.PNG

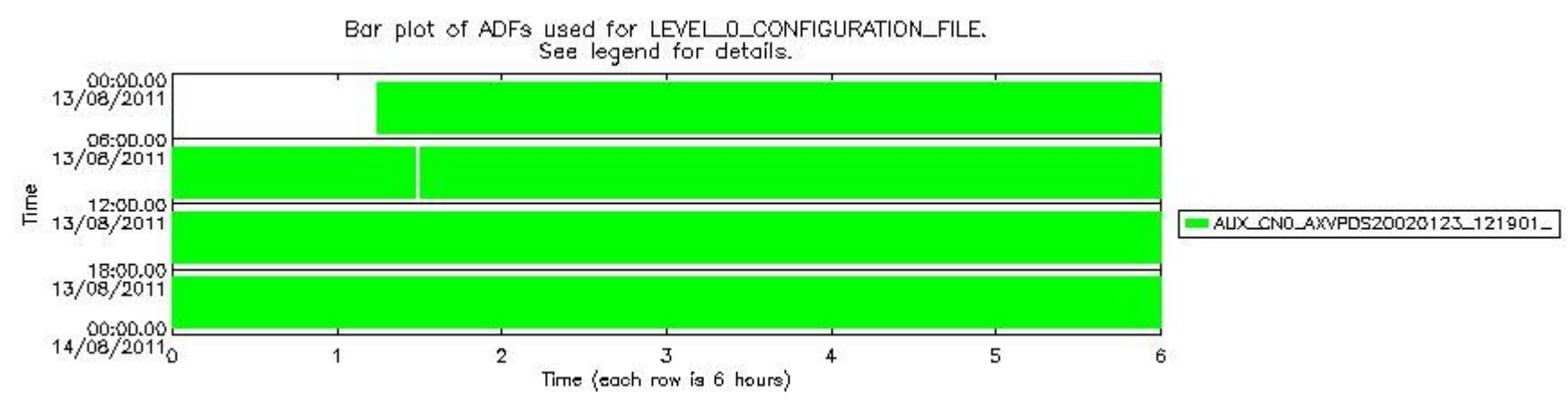
0.4 ADF monitoring

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

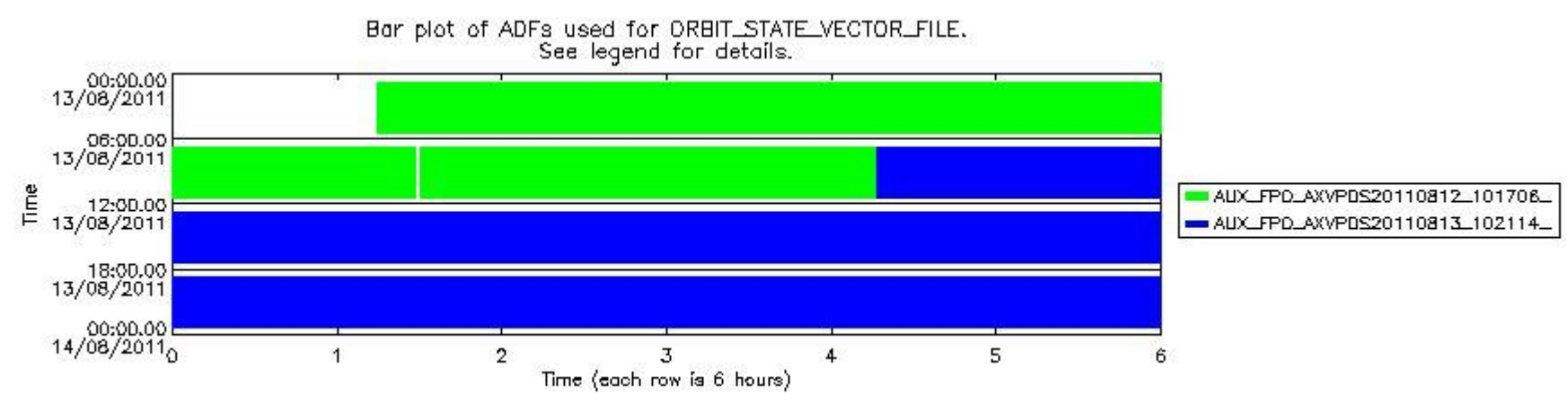
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

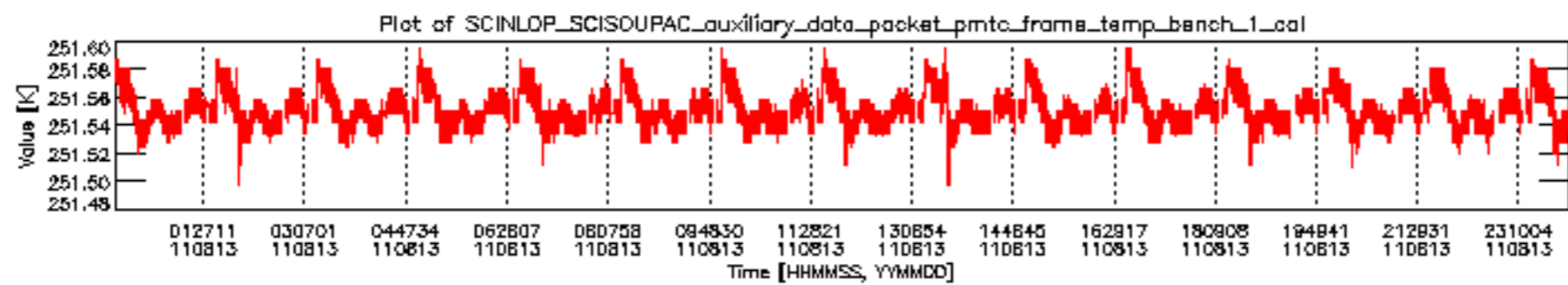
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20110812_101706_20110811_192253_20110821_213640
2	AUX_FPO_AXVPDS20110813_102114_20110812_184609_20110822_205956

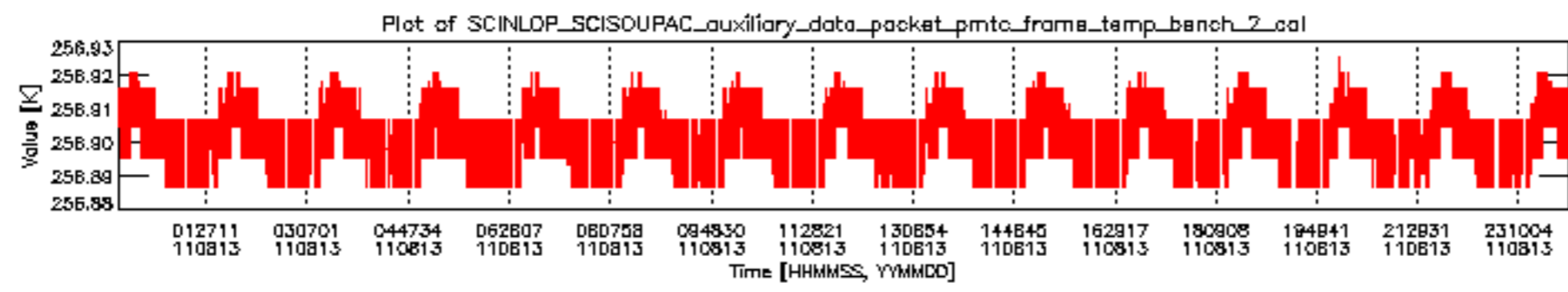


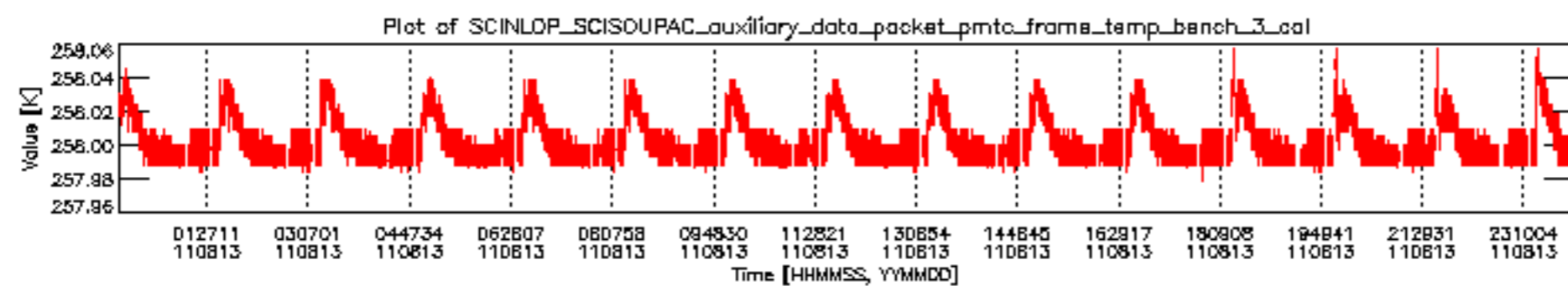
sciamachy_daily_report_level0_KSPT_L0_4504_N_20110813_7.PNG

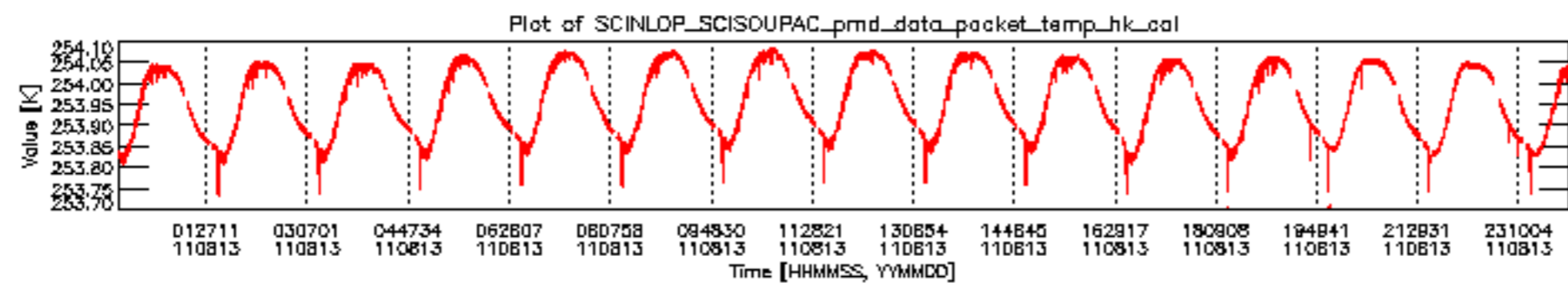


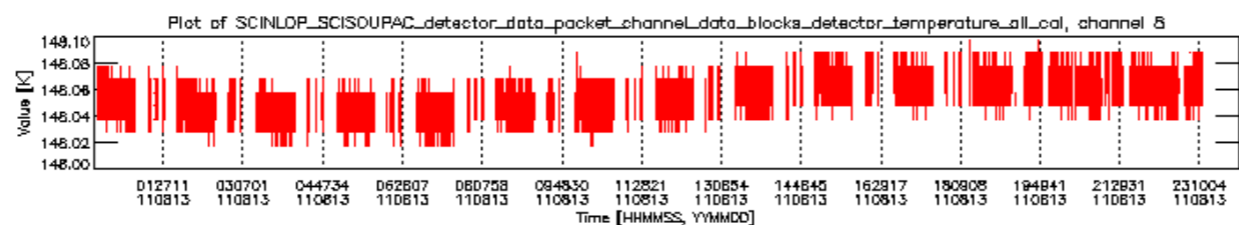
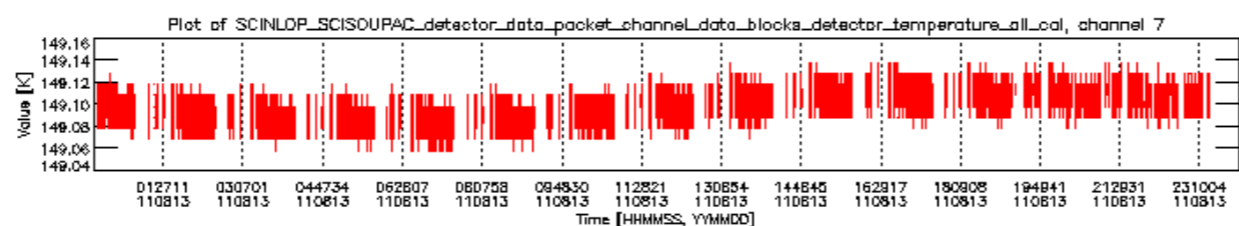
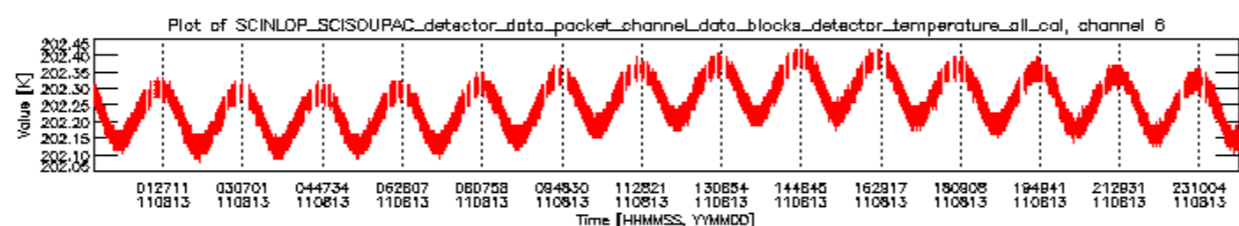
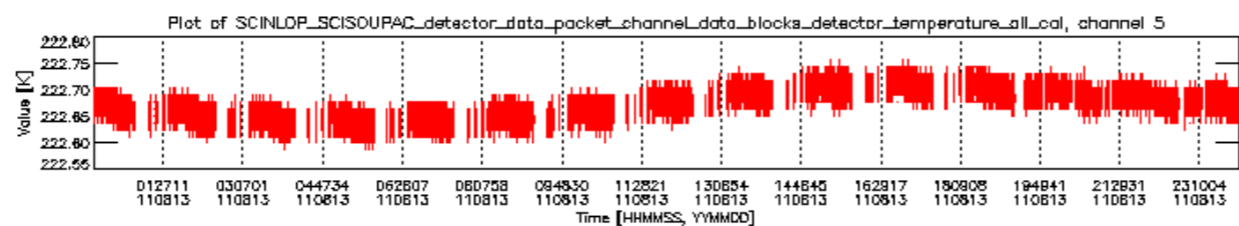
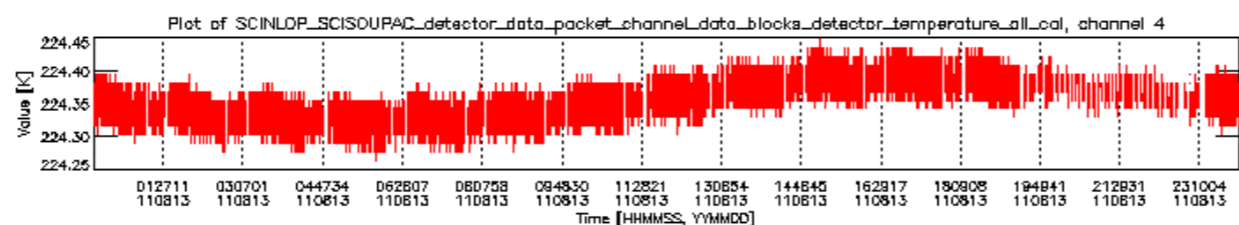
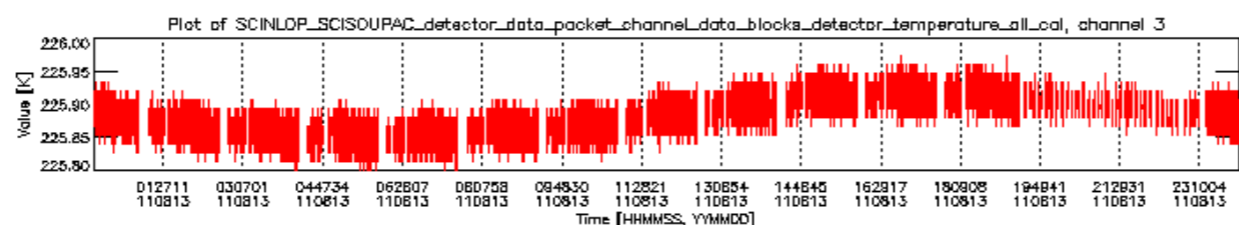
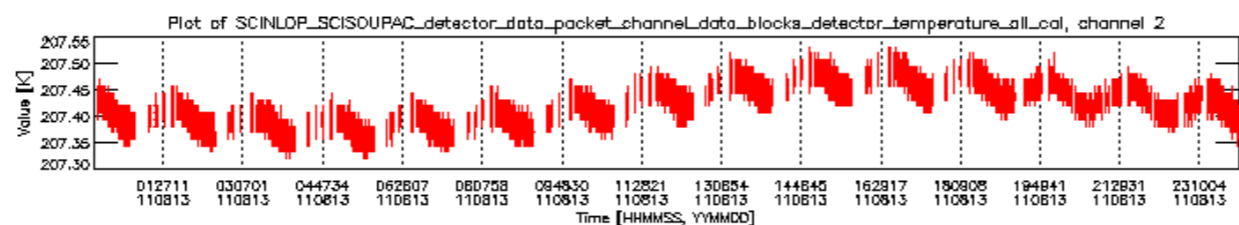
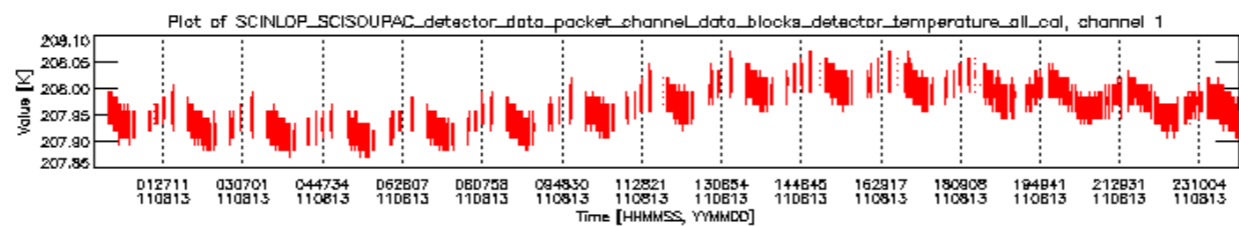
sciamachy_daily_report_level0_KSPT_L0_4504_N_20110813_8.PNG

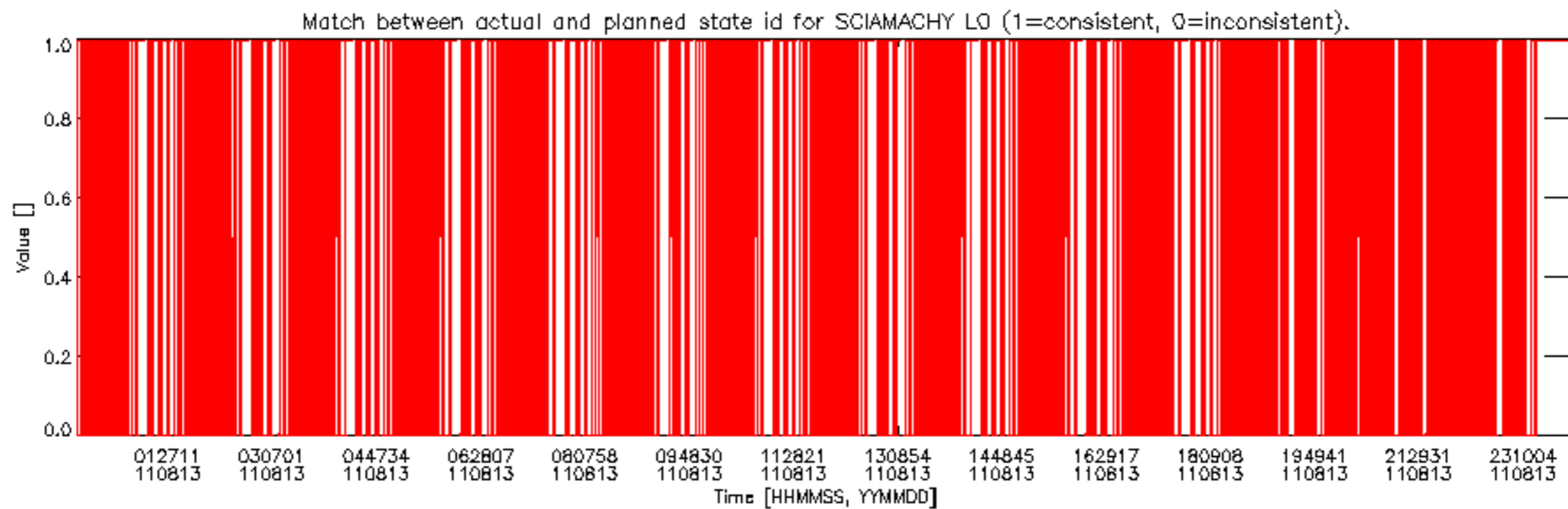
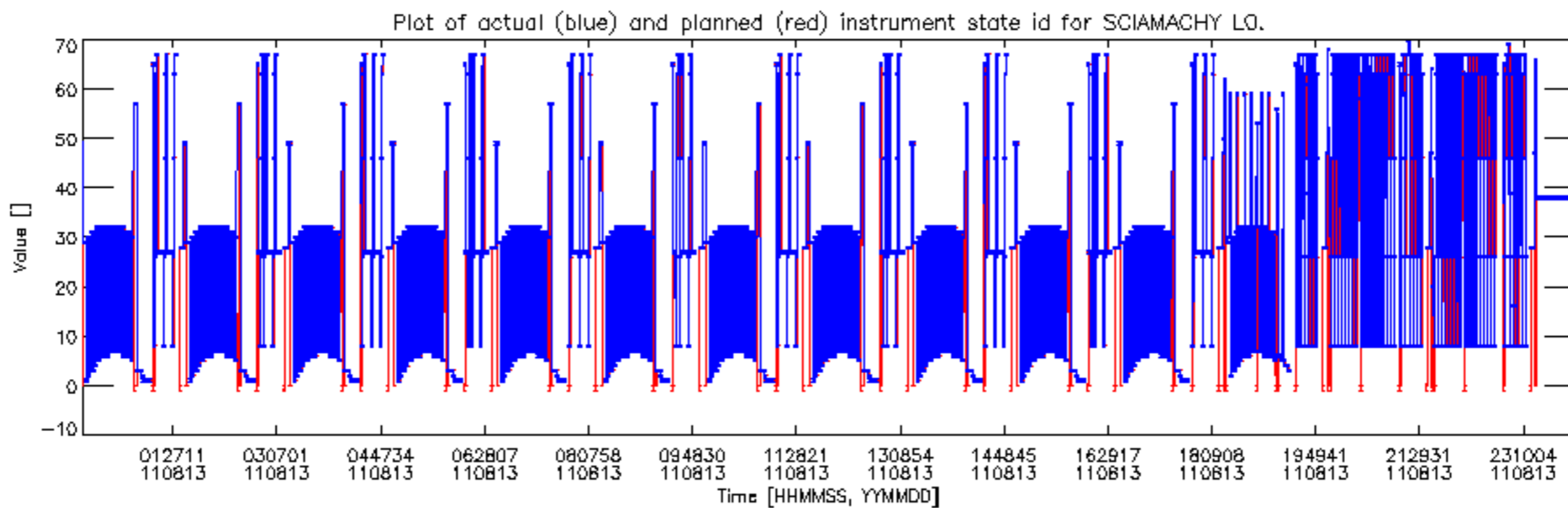












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