

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	v1.3 20060731
Time of report generation	19JUN2008 04:49:11
Data source version	KSPT_L0/4303-N
Processing scope for products	15JUN2008 00:00:00 to 16JUN2008 00:00:00
Start time of first product within scope	14JUN2008 23:29:15
Stop time of last product within scope	16JUN2008 00:39:49
Total number of level 0 products	16
Number of level 0 products with errors	1

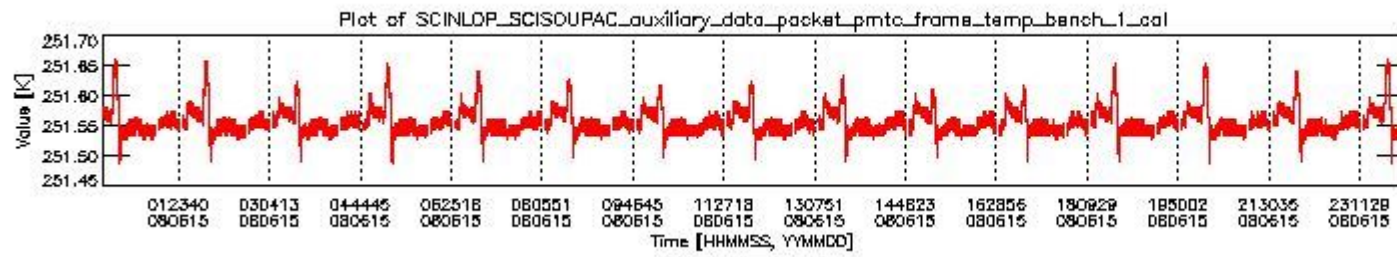
0.1.2 Summary per product

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

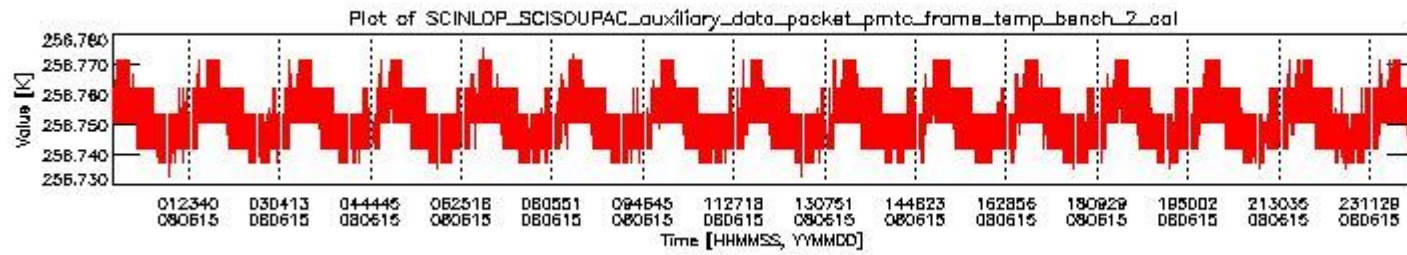
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080614_232915_000060882069_00273_32892_6970.N1	14JUN2008 23:29:15	15JUN2008 01:10:43	0	0	0	0	0
1	SCI_NL__OPNPDE20080615_010959_000046872069_00274_32893_6971.N1	15JUN2008 01:09:59	15JUN2008 02:28:06	0	0	0	0	0
2	SCI_NL__OPNPDE20080615_022806_000057402069_00275_32894_6972.N1	15JUN2008 02:28:06	15JUN2008 04:03:46	0	0	0	0	0
3	SCI_NL__OPNPDE20080615_040346_000060362069_00276_32895_6973.N1	15JUN2008 04:03:46	15JUN2008 05:44:22	0	0	0	0	0
4	SCI_NL__OPNPDE20080615_054422_000061862069_00277_32896_6974.N1	15JUN2008 05:44:22	15JUN2008 07:27:28	0	0	0	0	0
5	SCI_NL__OPNPDK20080615_072728_000038952069_00278_32897_8508.N1	15JUN2008 07:27:28	15JUN2008 08:32:23	0	0	0	0	0
6	SCI_NL__OPNPDK20080615_083223_000062292069_00279_32898_8509.N1	15JUN2008 08:32:23	15JUN2008 10:16:12	0	0	0	0	0
7	SCI_NL__OPNPDK20080615_101504_000059802069_00280_32899_8510.N1	15JUN2008 10:15:04	15JUN2008 11:54:43	0	0	0	0	0
8	SCI_NL__OPNPDK20080615_115335_000059802069_00281_32900_8511.N1	15JUN2008 11:53:35	15JUN2008 13:33:15	0	0	0	0	0
9	SCI_NL__OPNPDK20080615_133315_000059112069_00282_32901_8512.N1	15JUN2008 13:33:15	15JUN2008 15:11:46	0	0	0	0	0
10	SCI_NL__OPNPDK20080615_151038_000059802069_00283_32902_8513.N1	15JUN2008 15:10:38	15JUN2008 16:50:18	0	0	0	0	0
11	SCI_NL__OPNPDK20080615_164909_000059272069_00284_32903_8514.N1	15JUN2008 16:49:09	15JUN2008 18:27:56	1	1	0	0	0
12	SCI_NL__OPNPDK20080615_182551_000060362069_00285_32904_8515.N1	15JUN2008 18:25:51	15JUN2008 20:06:27	0	0	0	0	0
13	SCI_NL__OPNPDE20080615_200531_000043872069_00286_32905_6975.N1	15JUN2008 20:05:31	15JUN2008 21:18:38	0	0	0	0	0
14	SCI_NL__OPNPDE20080615_211710_000061552069_00286_32905_6976.N1	15JUN2008 21:17:10	15JUN2008 22:59:45	0	0	0	0	0
15	SCI_NL__OPNPDE20080615_225738_000061322069_00287_32906_6977.N1	15JUN2008 22:57:38	16JUN2008 00:39:49	0	0	0	0	0

0.2 Product Quality Indicators

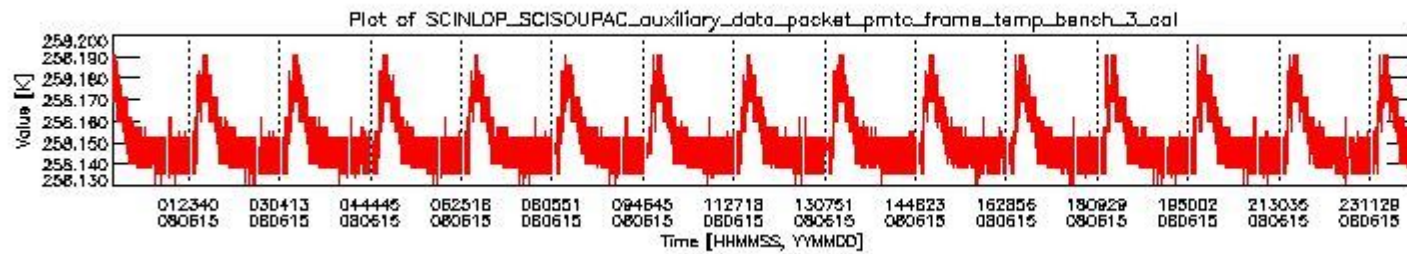
This section shows information about product quality, currently temperatures.



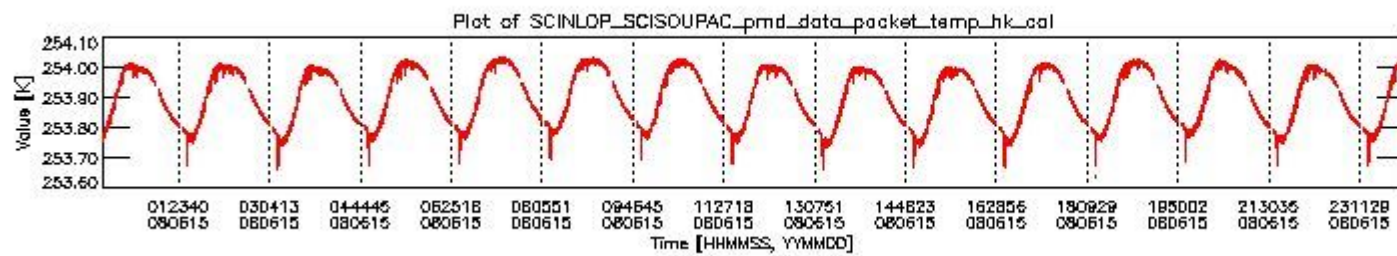
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080615_0.PNG



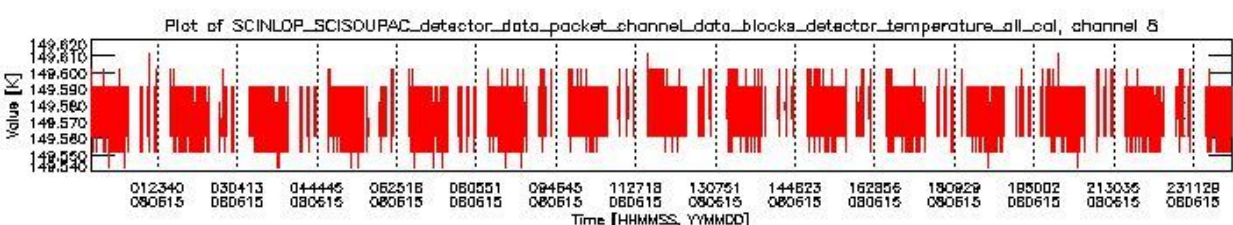
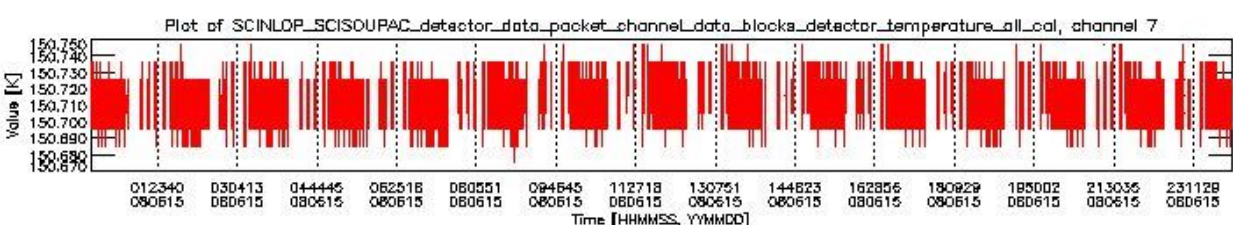
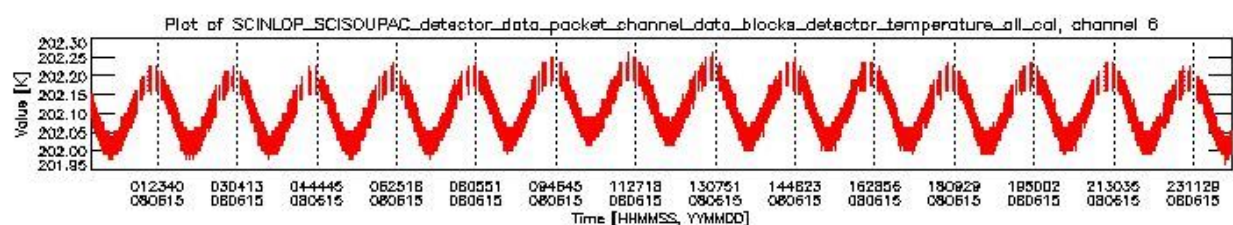
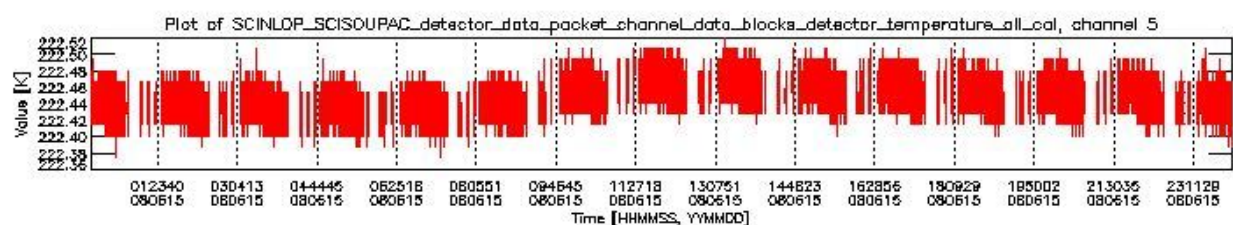
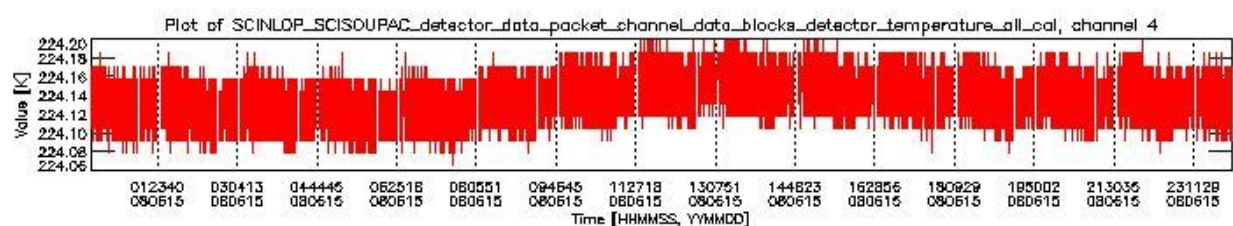
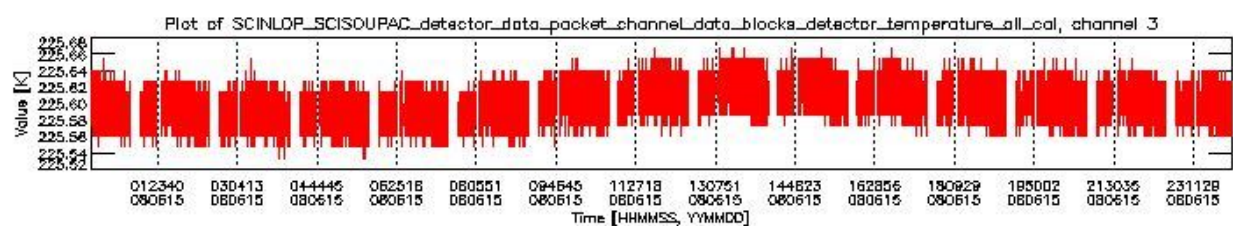
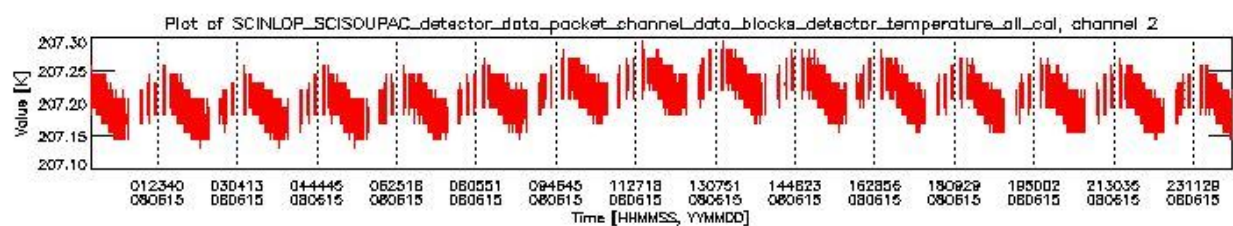
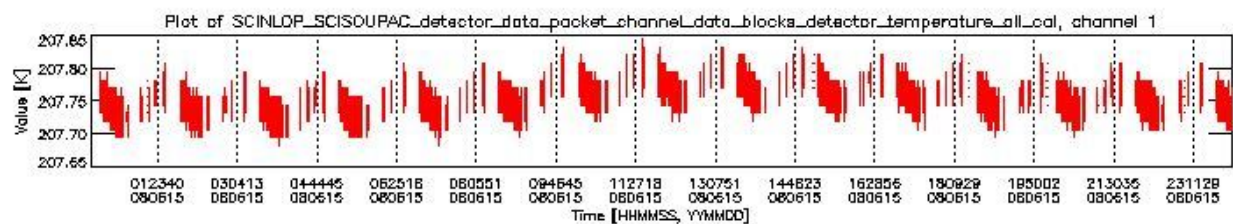
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080615_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080615_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080615_3.PNG

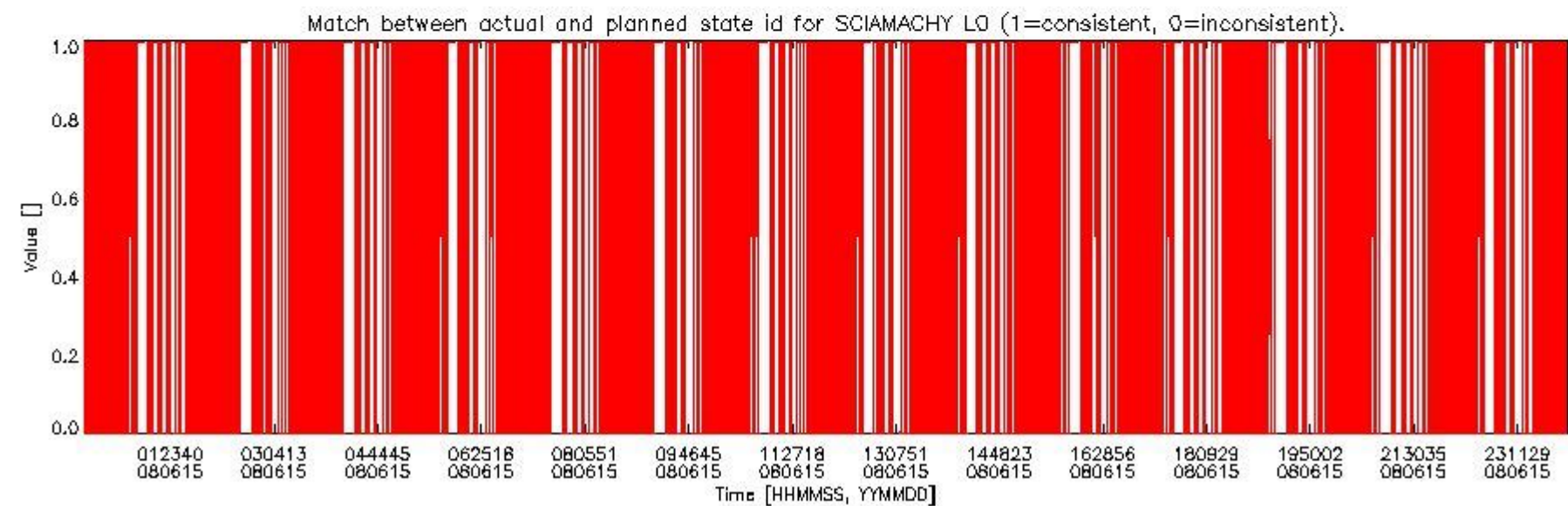
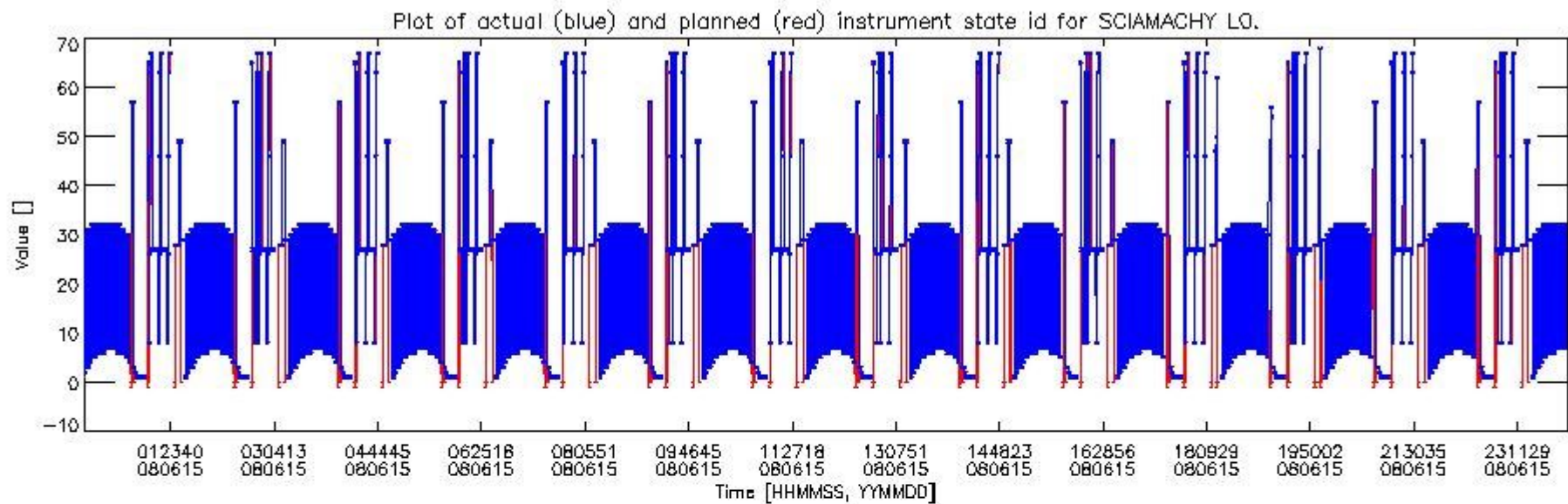


0.3 State monitoring

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: **31543**

#	Actual time	Actual value	Planned time	Planned value
0	15JUN2008 00:00:10.804890	30	15JUN2008 00:00:10.804890	2
1	15JUN2008 00:00:11.429912	30	15JUN2008 00:00:11.429912	2
2	15JUN2008 00:00:11.804925	30	15JUN2008 00:00:11.804925	2
3	15JUN2008 00:00:12.179898	30	15JUN2008 00:00:12.179898	2
4	15JUN2008 00:00:12.742397	30	15JUN2008 00:00:12.742397	2
5	15JUN2008 00:00:13.117410	30	15JUN2008 00:00:13.117410	2
6	15JUN2008 00:00:13.492423	30	15JUN2008 00:00:13.492423	2
7	15JUN2008 00:00:13.867396	30	15JUN2008 00:00:13.867396	2
8	15JUN2008 00:00:14.429896	30	15JUN2008 00:00:14.429896	2
9	15JUN2008 00:00:14.804909	30	15JUN2008 00:00:14.804909	2
10	15JUN2008 00:00:15.179922	30	15JUN2008 00:00:15.179922	2
11	15JUN2008 00:00:15.554895	30	15JUN2008 00:00:15.554895	2
12	15JUN2008 00:00:15.804903	30	15JUN2008 00:00:15.804903	2
13	15JUN2008 00:00:16.117394	30	15JUN2008 00:00:16.117394	2
14	15JUN2008 00:00:16.492407	30	15JUN2008 00:00:16.492407	2
15	15JUN2008 00:00:16.867420	30	15JUN2008 00:00:16.867420	2
16	15JUN2008 00:00:17.242393	30	15JUN2008 00:00:17.242393	2
17	15JUN2008 00:00:17.804892	30	15JUN2008 00:00:17.804892	2
18	15JUN2008 00:01:06.676001	3	15JUN2008 00:01:06.676001	30
19	15JUN2008 00:01:06.926010	3	15JUN2008 00:01:06.926010	30
...

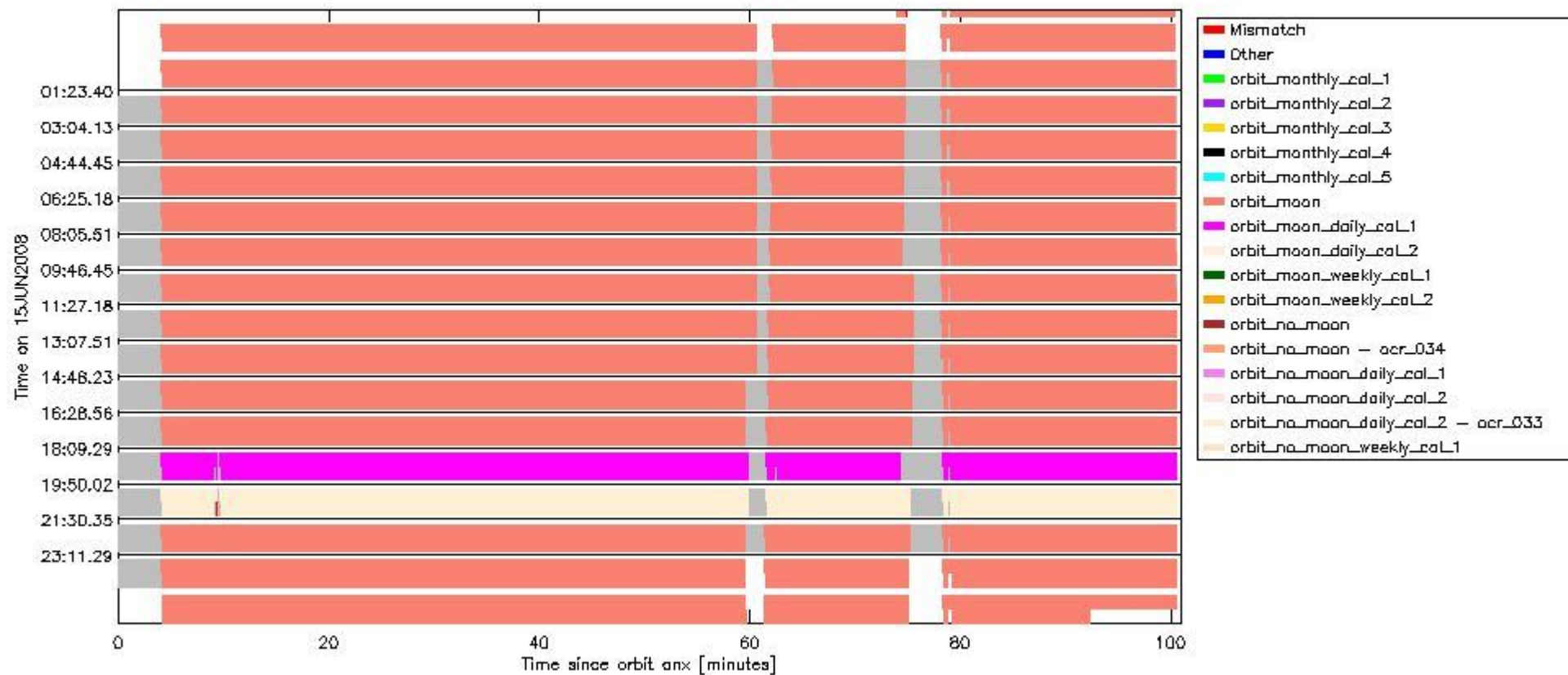


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080615_5.PNG

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 15JUN2008.
 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_20080615_6.PNG

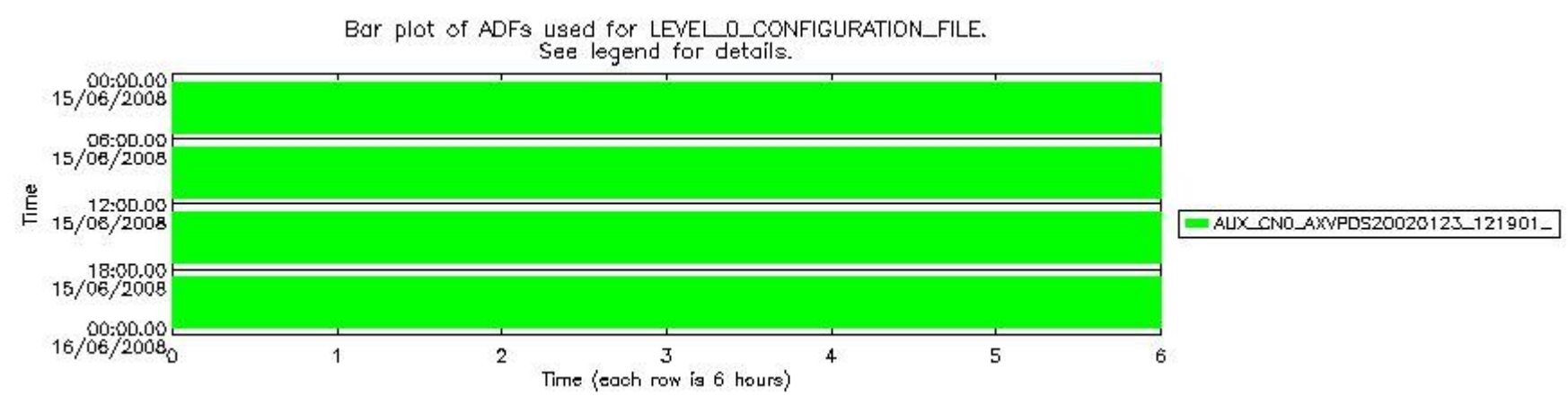
0.4 ADF monitoring

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

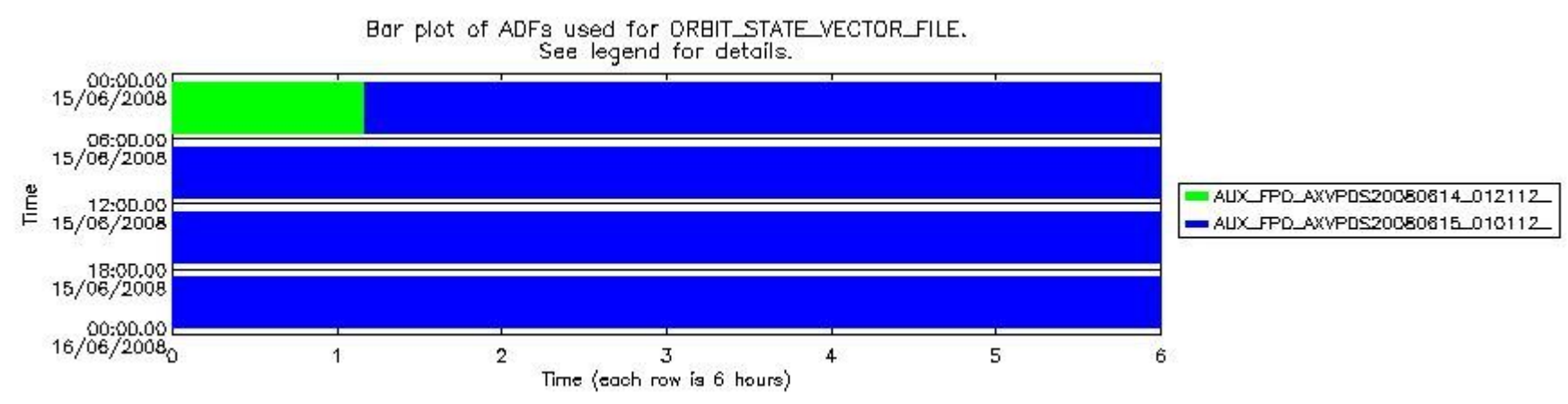
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

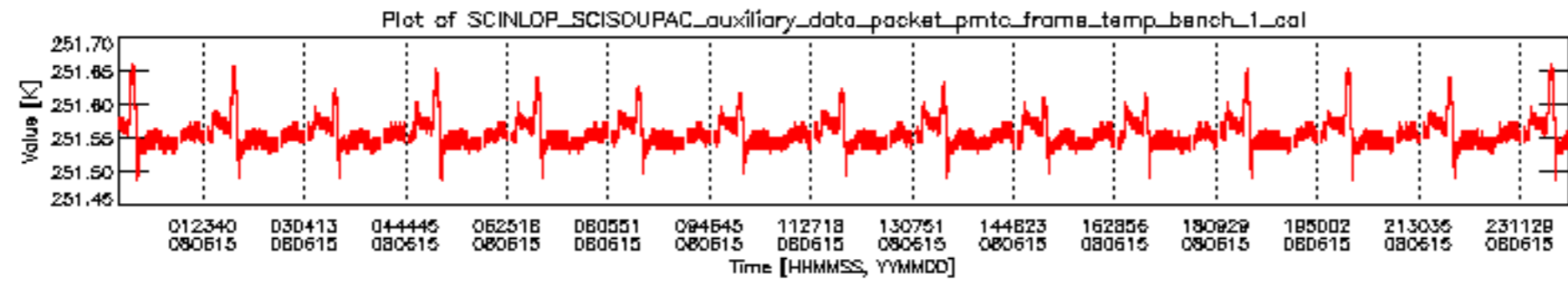
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080614_012112_20080613_191249_20080623_203902
2	AUX_FPO_AXVPDS20080615_010112_20080614_184112_20080624_200725

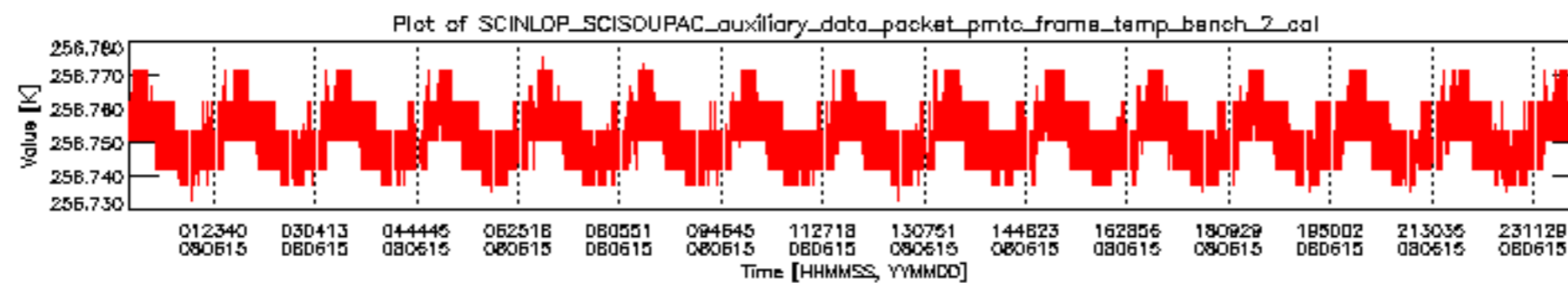


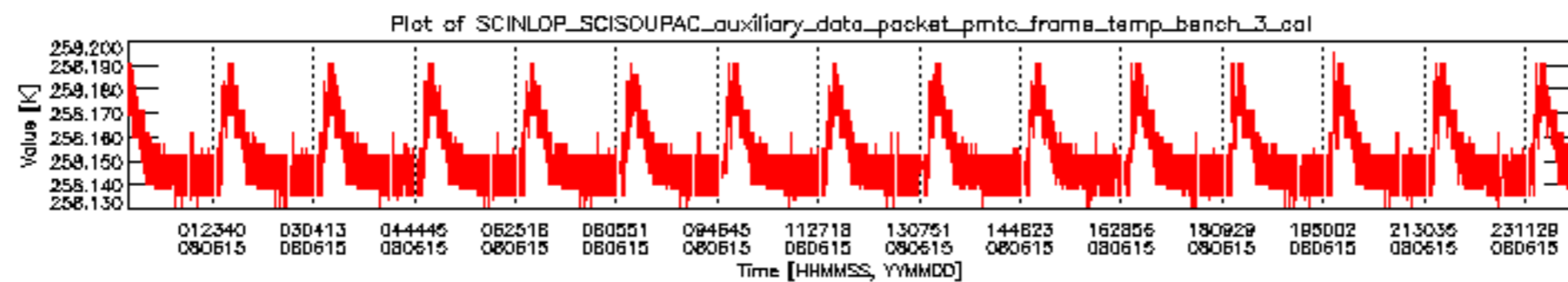
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080615_7.PNG

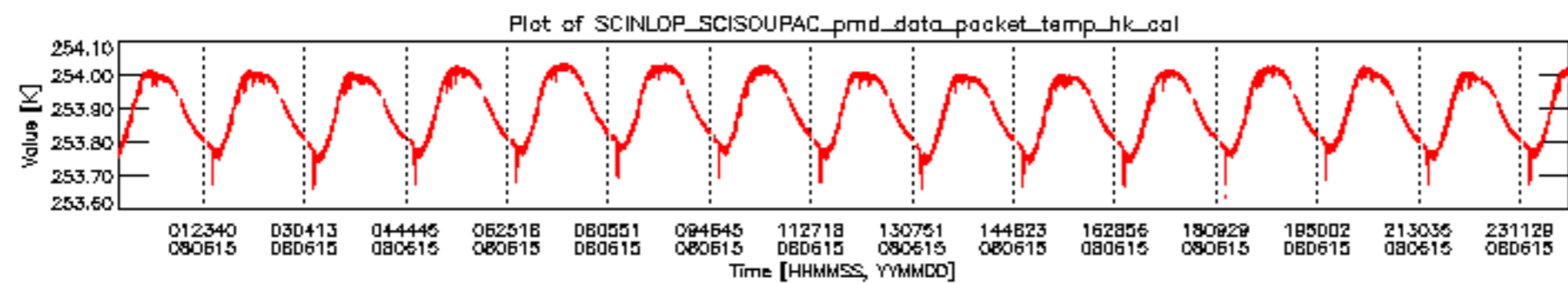


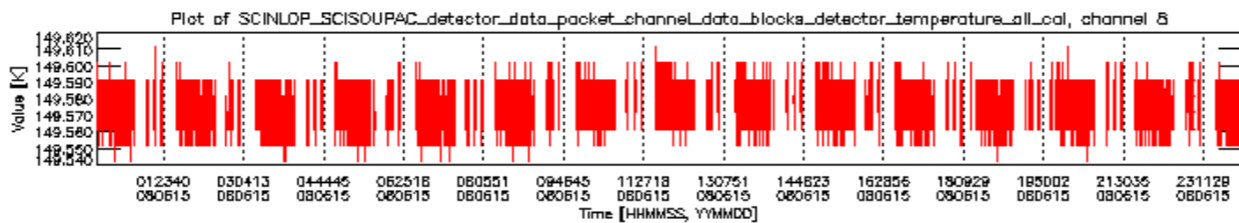
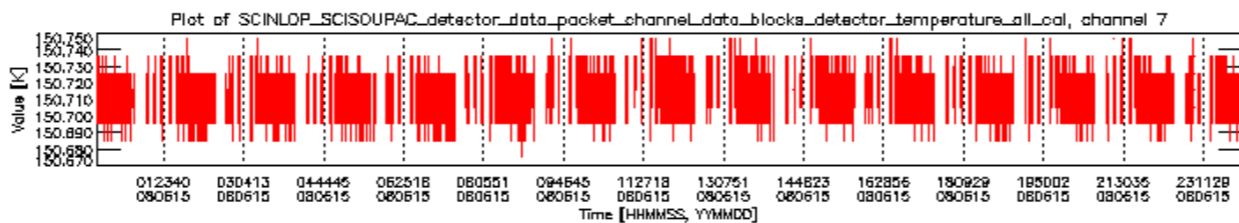
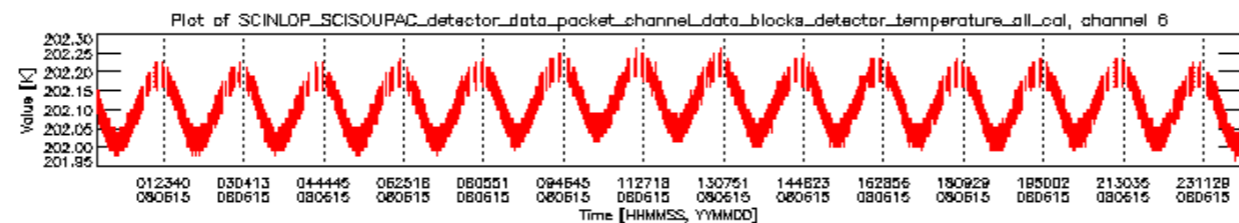
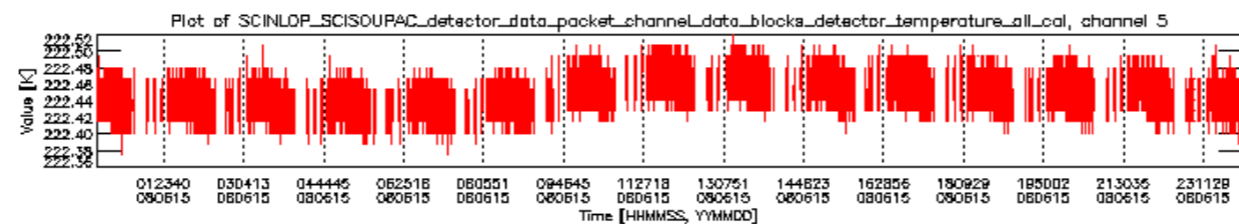
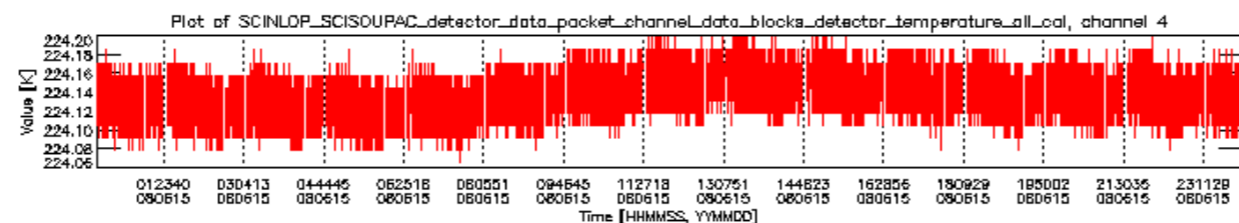
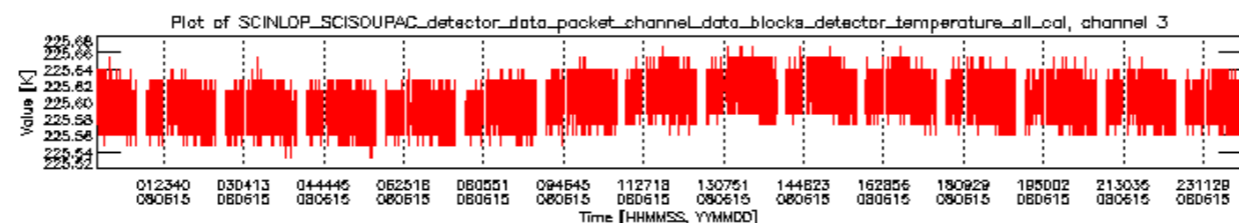
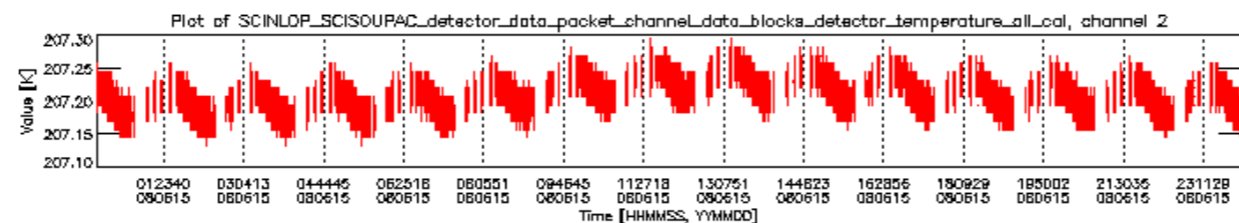
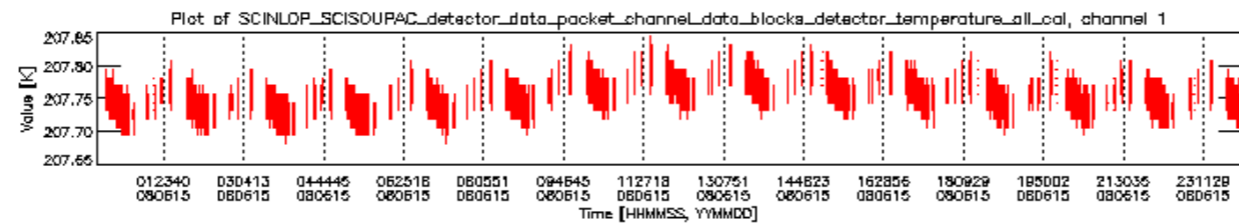
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080615_8.PNG

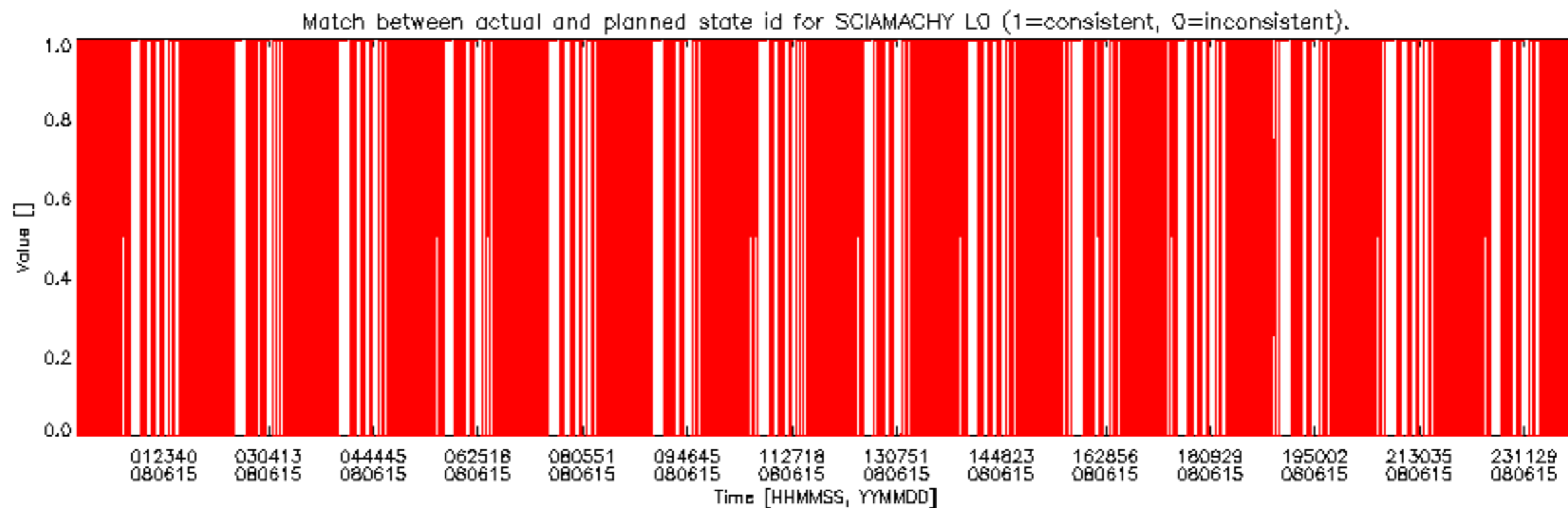
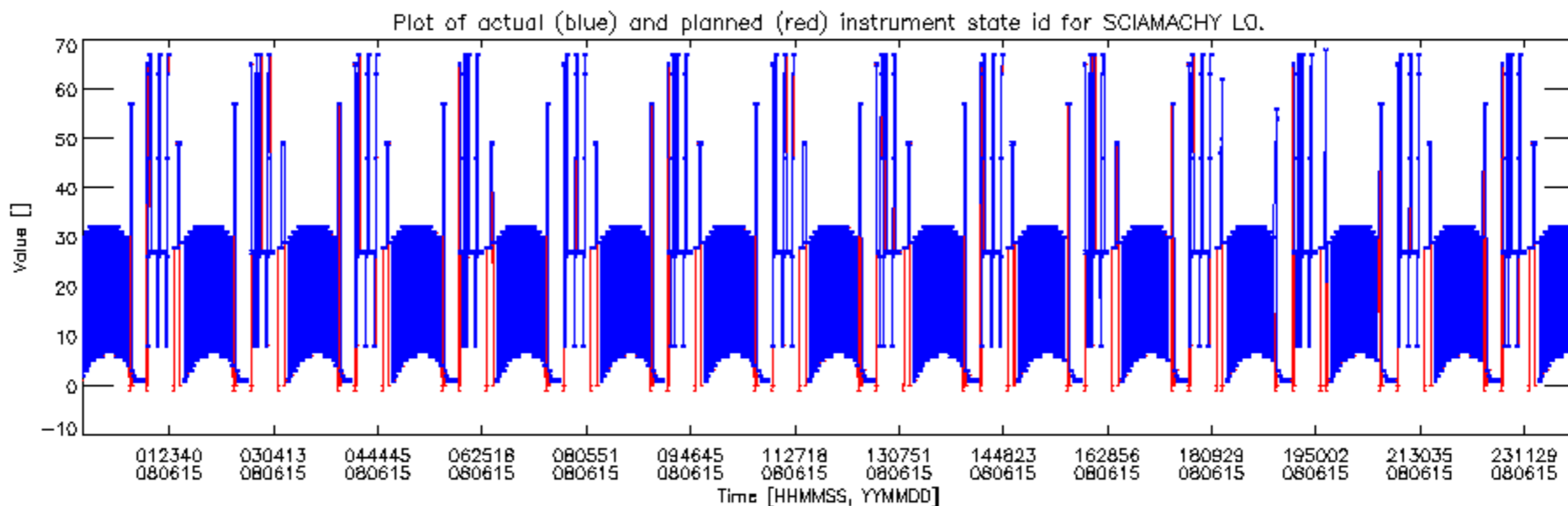












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