

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	06JUN2008 05:03:41
Data source version	KSPT_L0/4303-N
Processing scope for products	02JUN2008 00:00:00 to 03JUN2008 00:00:00
Start time of first product within scope	01JUN2008 23:38:14
Stop time of last product within scope	03JUN2008 00:49:30
Total number of level 0 products	16
Number of level 0 products with errors	0

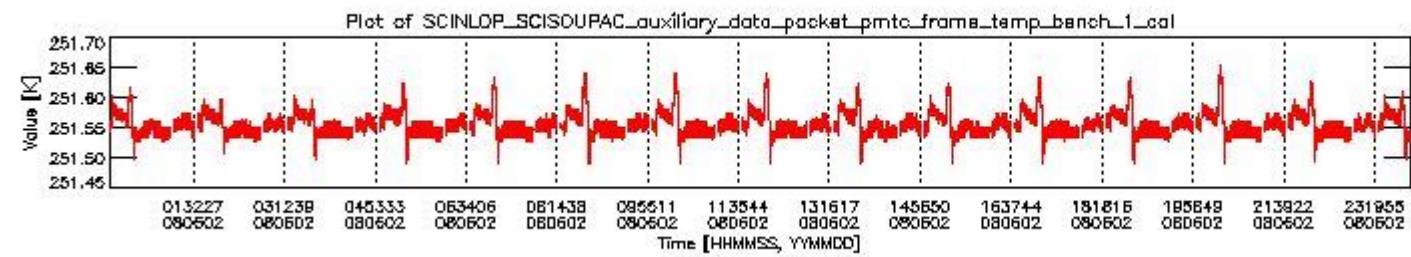
0.1.2 Summary per product

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

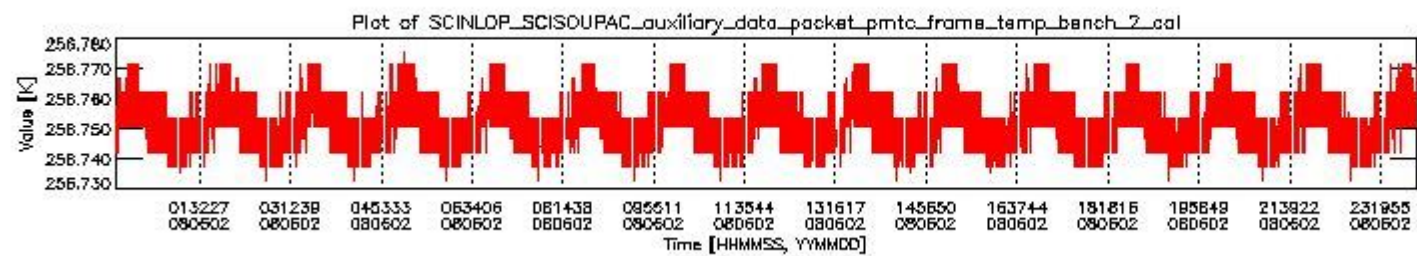
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080601_233814_000060442069_00087_32706_6884.N1	01JUN2008 23:38:14	02JUN2008 01:18:58	0	0	0	0	0
1	SCI_NL__OPNPDE20080602_011814_000047112069_00088_32707_6885.N1	02JUN2008 01:18:14	02JUN2008 02:36:44	0	0	0	0	0
2	SCI_NL__OPNPDE20080602_023536_000058302069_00089_32708_6886.N1	02JUN2008 02:35:36	02JUN2008 04:12:46	0	0	0	0	0
3	SCI_NL__OPNPDE20080602_041246_000061042069_00090_32709_6887.N1	02JUN2008 04:12:46	02JUN2008 05:54:30	0	0	0	0	0
4	SCI_NL__OPNPDK20080602_055335_000041572069_00091_32710_8376.N1	02JUN2008 05:53:35	02JUN2008 07:02:51	0	0	0	0	0
5	SCI_NL__OPNPDK20080602_070155_000061602069_00092_32711_8377.N1	02JUN2008 07:01:55	02JUN2008 08:44:36	0	0	0	0	0
6	SCI_NL__OPNPDK20080602_084436_000059672069_00093_32712_8378.N1	02JUN2008 08:44:36	02JUN2008 10:24:03	0	0	0	0	0
7	SCI_NL__OPNPDK20080602_102403_000059242069_00094_32713_8379.N1	02JUN2008 10:24:03	02JUN2008 12:02:47	0	0	0	0	0
8	SCI_NL__OPNPDK20080602_120247_000059672069_00095_32714_8380.N1	02JUN2008 12:02:47	02JUN2008 13:42:14	0	0	0	0	0
9	SCI_NL__OPNPDK20080602_134105_000059242069_00096_32715_8381.N1	02JUN2008 13:41:05	02JUN2008 15:19:49	0	0	0	0	0
10	SCI_NL__OPNPDK20080602_151949_000058992069_00097_32716_8382.N1	02JUN2008 15:19:49	02JUN2008 16:58:08	0	0	0	0	0
11	SCI_NL__OPNPDK20080602_165712_000058702069_00098_32717_8383.N1	02JUN2008 16:57:12	02JUN2008 18:35:03	0	0	0	0	0
12	SCI_NL__OPNPDK20080602_183354_000061602069_00099_32718_8384.N1	02JUN2008 18:33:54	02JUN2008 20:16:34	0	0	0	0	0
13	SCI_NL__OPNPDE20080602_201430_000042532069_00100_32719_6888.N1	02JUN2008 20:14:30	02JUN2008 21:25:23	0	0	0	0	0
14	SCI_NL__OPNPDE20080602_212439_000061992069_00100_32719_6889.N1	02JUN2008 21:24:39	02JUN2008 23:07:59	0	0	0	0	0
15	SCI_NL__OPNPDE20080602_230635_000061752069_00101_32720_6890.N1	02JUN2008 23:06:35	03JUN2008 00:49:30	0	0	0	0	0

0.2 Product Quality Indicators

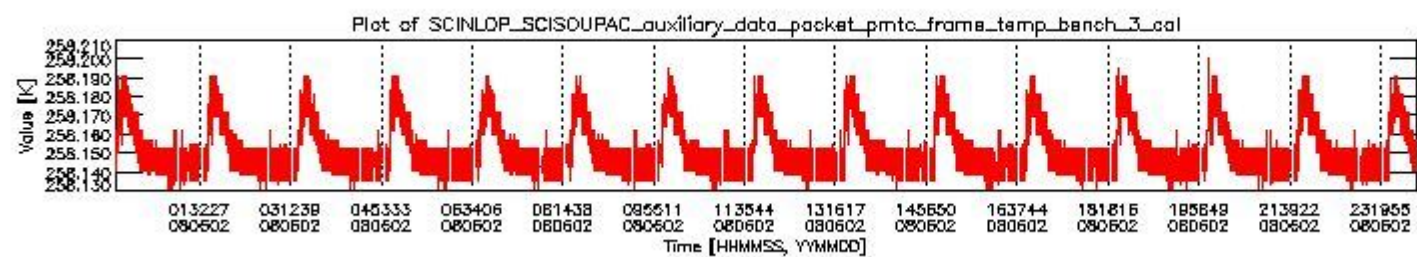
This section shows information about product quality, currently temperatures.



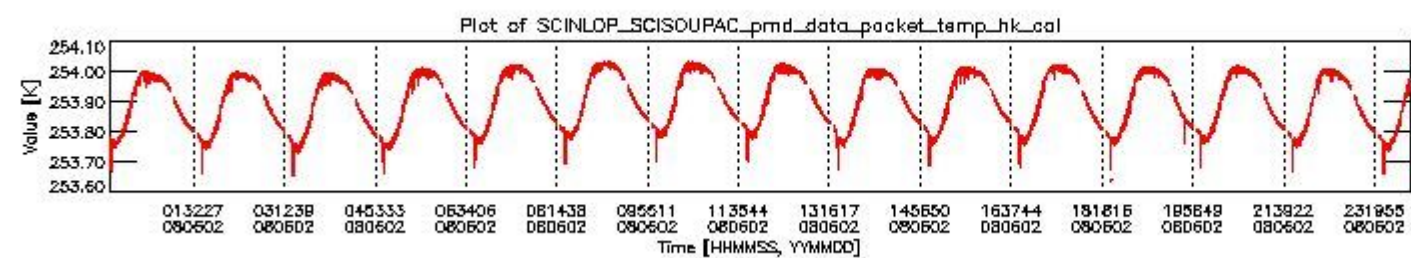
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080602_0.PNG



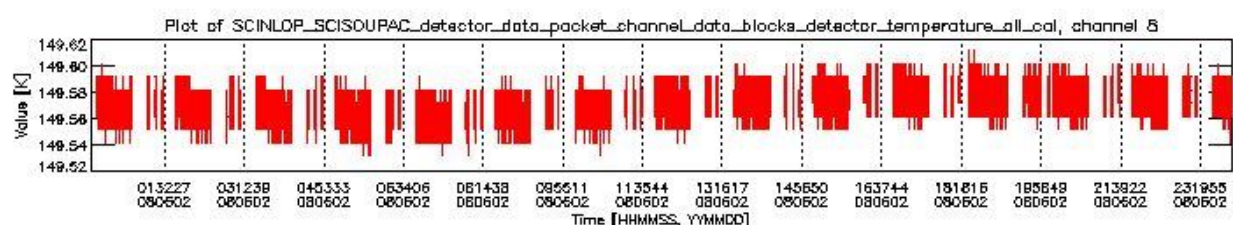
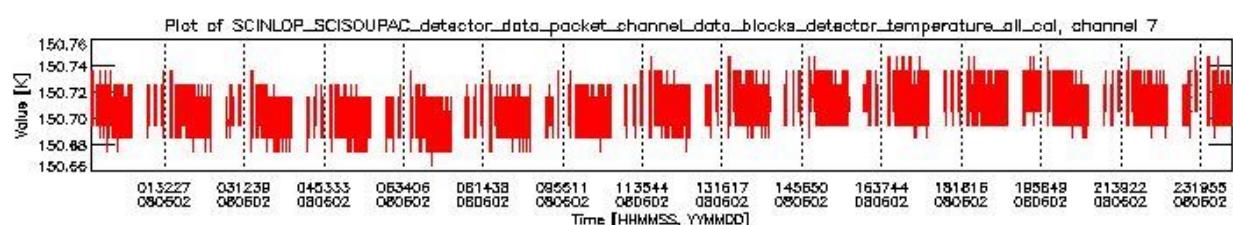
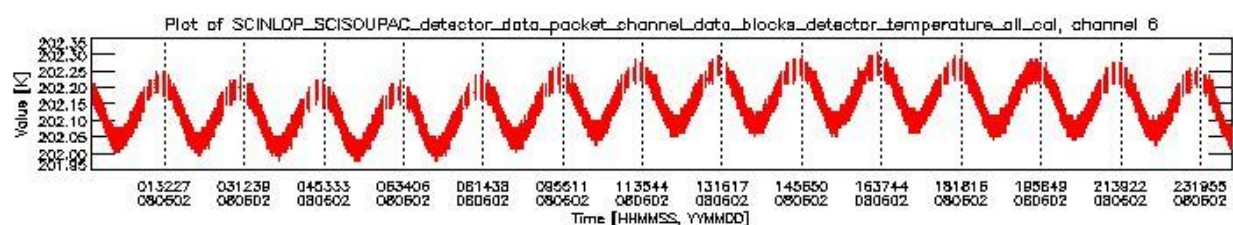
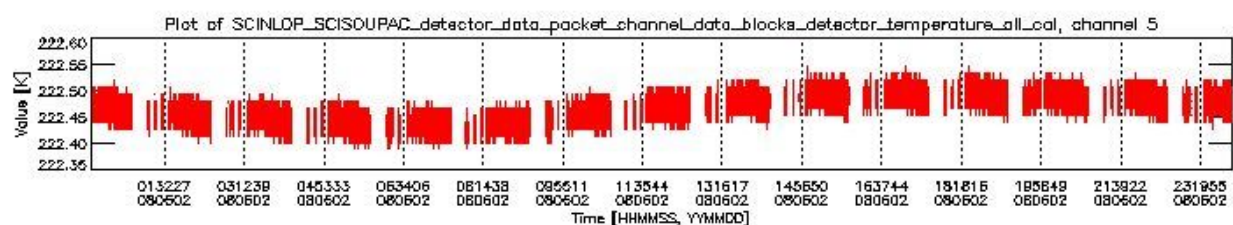
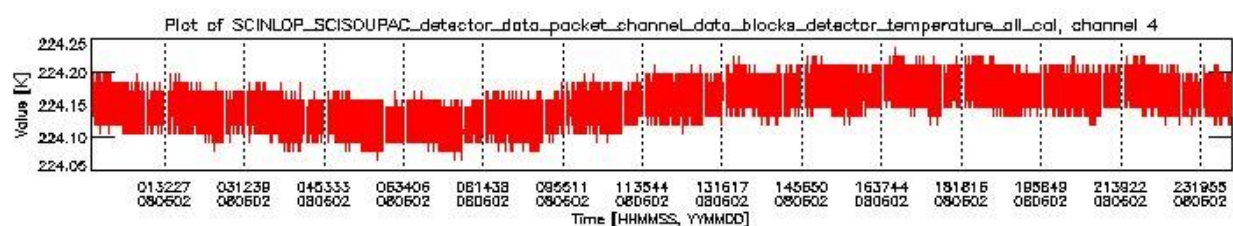
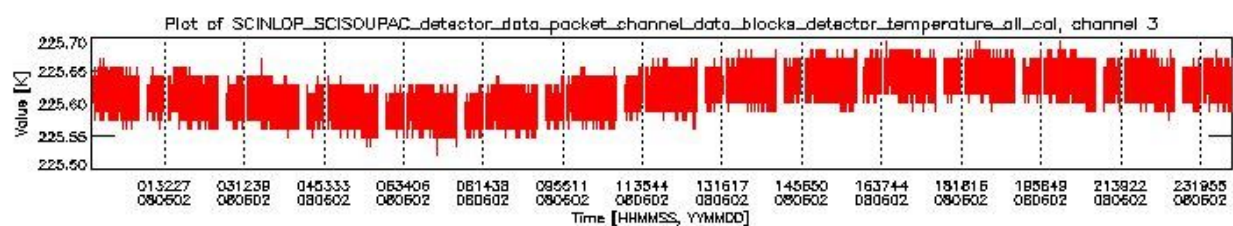
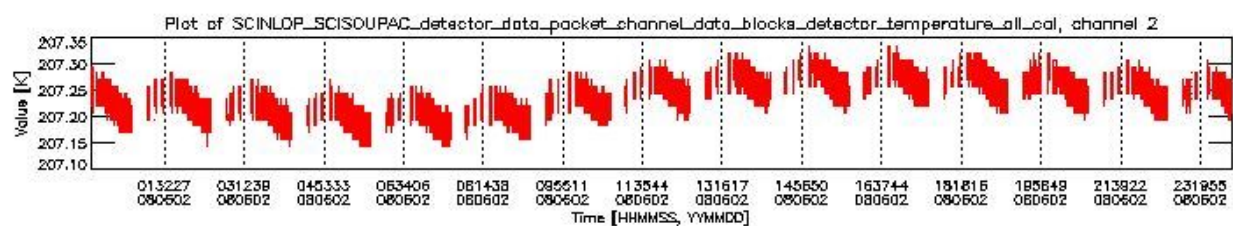
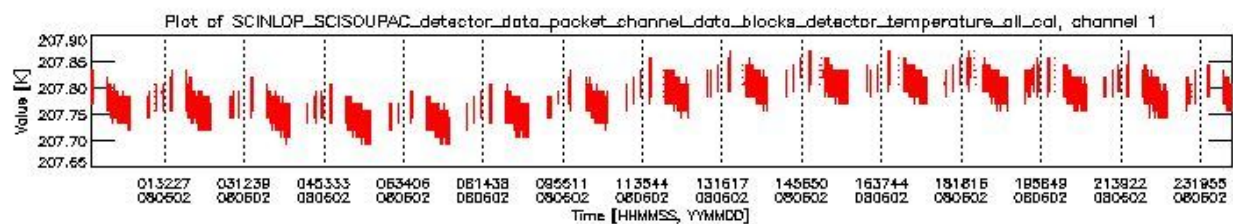
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080602_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080602_3.PNG

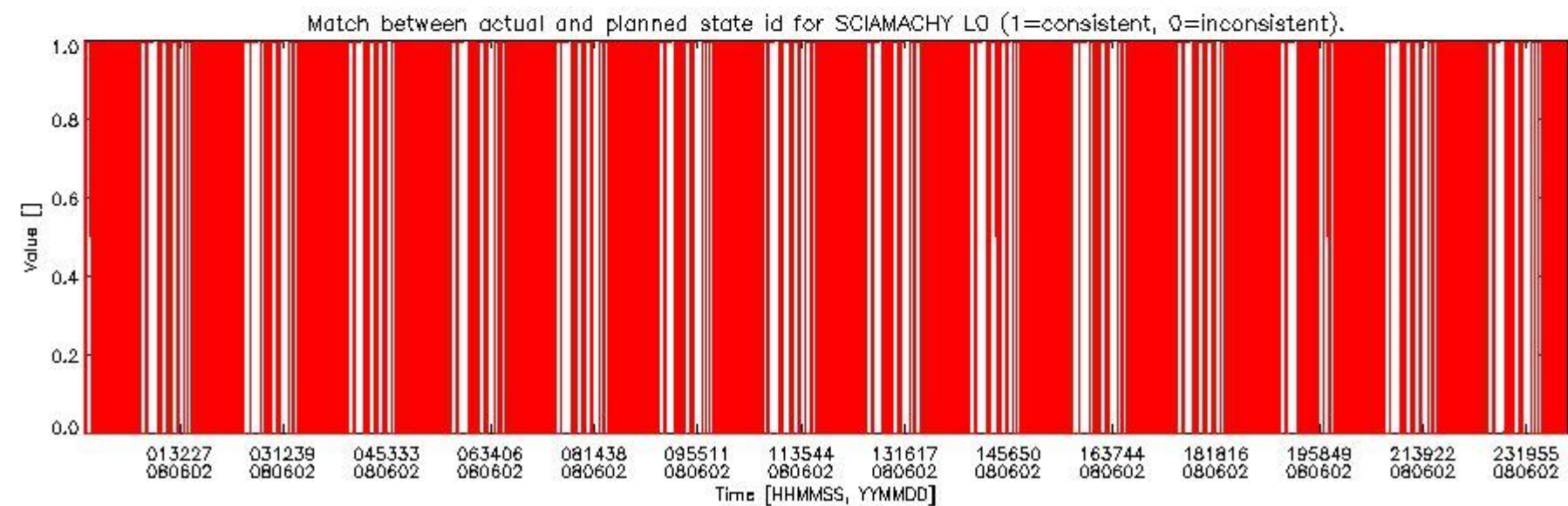
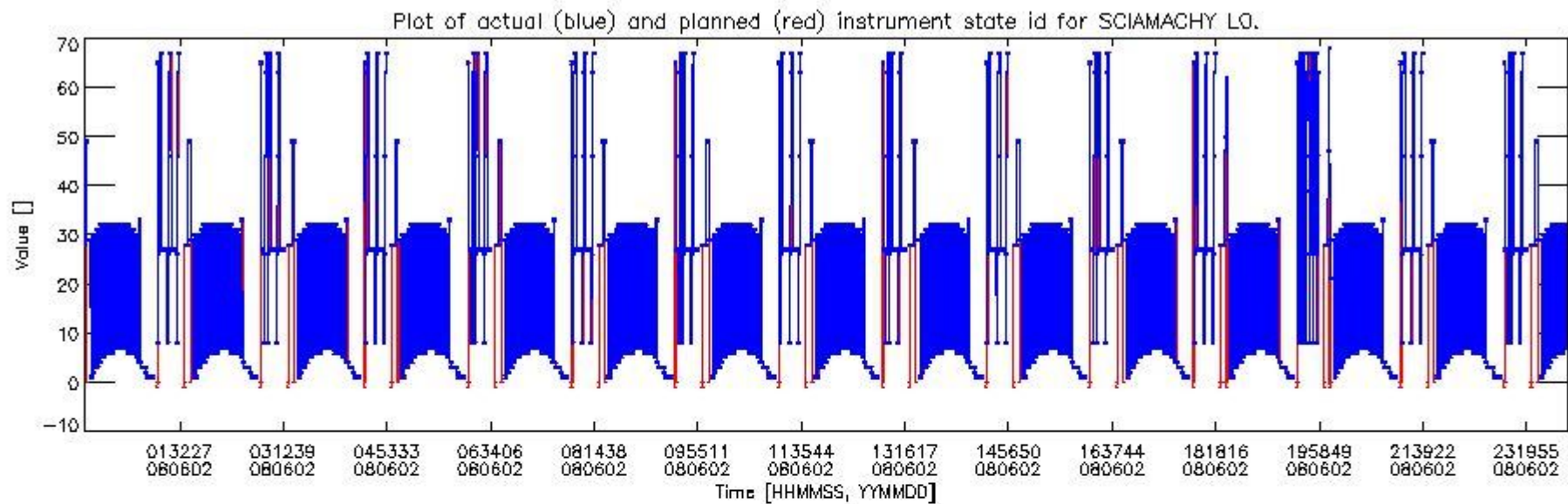


0.3 State monitoring

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: **35959**

#	Actual time	Actual value	Planned time	Planned value
0	02JUN2008 00:00:00.021645	49	02JUN2008 00:00:00.021645	28
1	02JUN2008 00:00:00.084168	49	02JUN2008 00:00:00.084168	28
2	02JUN2008 00:00:00.146650	49	02JUN2008 00:00:00.146650	28
3	02JUN2008 00:00:00.209172	49	02JUN2008 00:00:00.209172	28
4	02JUN2008 00:00:00.271654	49	02JUN2008 00:00:00.271654	28
5	02JUN2008 00:00:00.334136	49	02JUN2008 00:00:00.334136	28
6	02JUN2008 00:00:00.396658	49	02JUN2008 00:00:00.396658	28
7	02JUN2008 00:00:00.459141	49	02JUN2008 00:00:00.459141	28
8	02JUN2008 00:00:00.521663	49	02JUN2008 00:00:00.521663	28
9	02JUN2008 00:00:00.584145	49	02JUN2008 00:00:00.584145	28
10	02JUN2008 00:00:00.646667	49	02JUN2008 00:00:00.646667	28
11	02JUN2008 00:00:00.709149	49	02JUN2008 00:00:00.709149	28
12	02JUN2008 00:00:00.771672	49	02JUN2008 00:00:00.771672	28
13	02JUN2008 00:00:00.834154	49	02JUN2008 00:00:00.834154	28
14	02JUN2008 00:00:00.896636	49	02JUN2008 00:00:00.896636	28
15	02JUN2008 00:00:00.959158	49	02JUN2008 00:00:00.959158	28
16	02JUN2008 00:00:01.021640	49	02JUN2008 00:00:01.021640	28
17	02JUN2008 00:00:01.084162	49	02JUN2008 00:00:01.084162	28
18	02JUN2008 00:00:01.146644	49	02JUN2008 00:00:01.146644	28
19	02JUN2008 00:00:01.209167	49	02JUN2008 00:00:01.209167	28

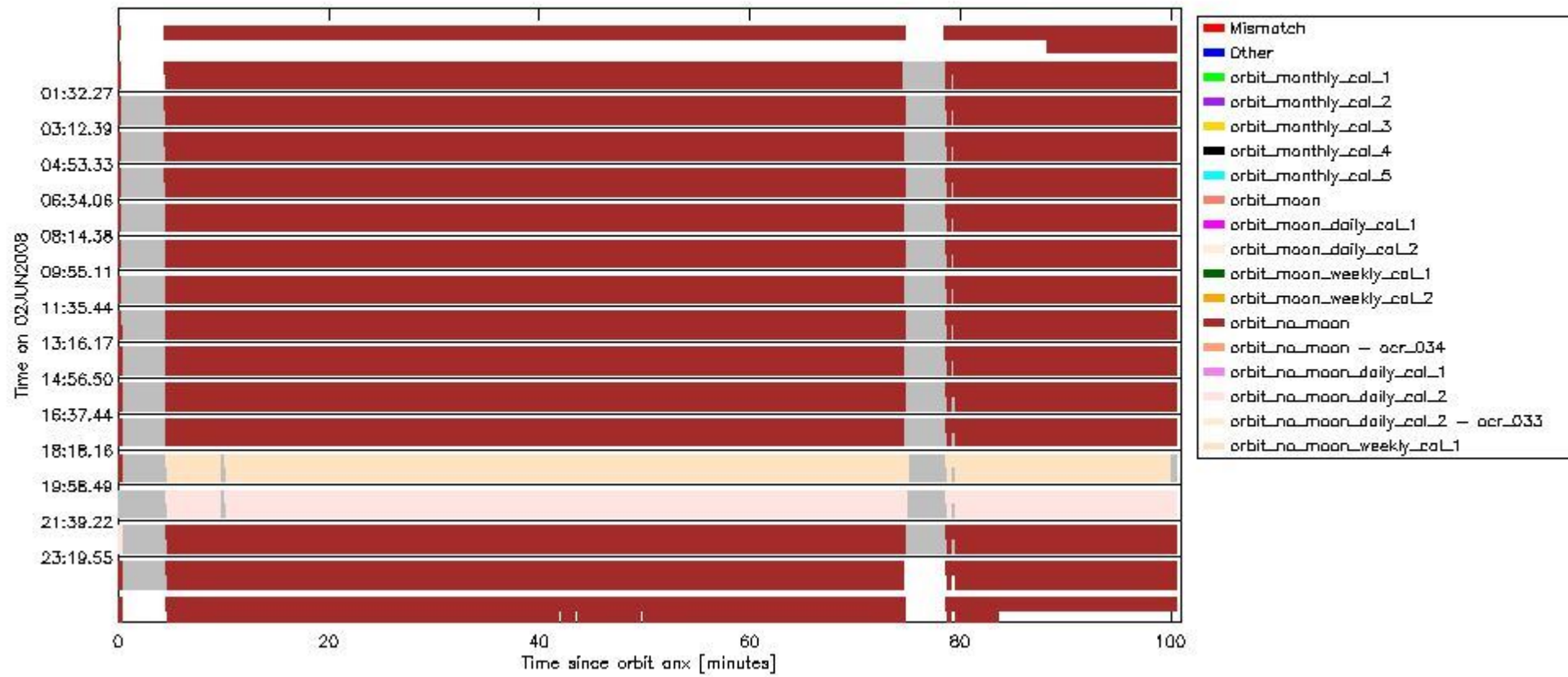


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080602_5.PNG

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 Q2JUN2008.
 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_20080602_6.PNG

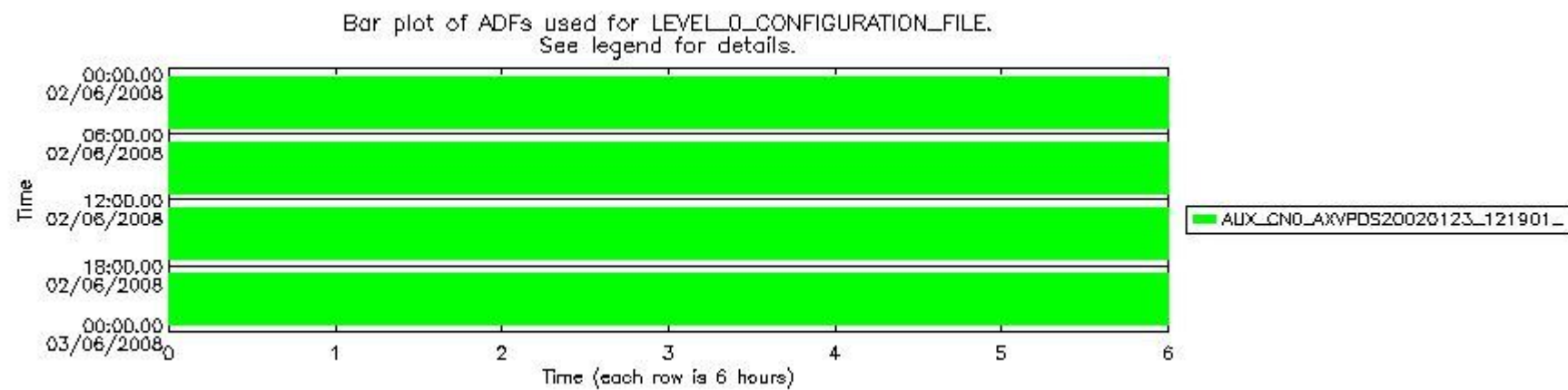
0.4 ADF monitoring

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

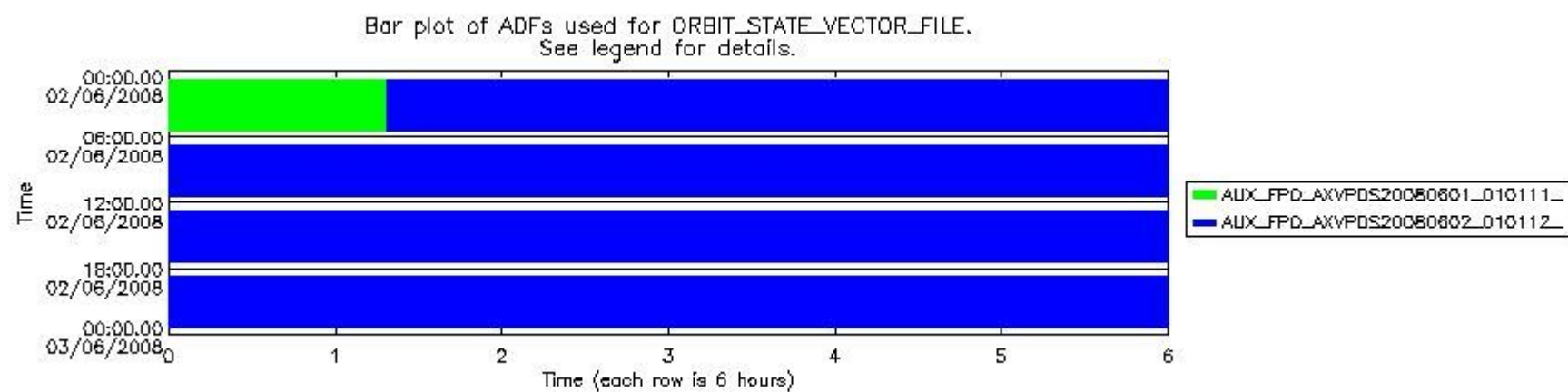
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

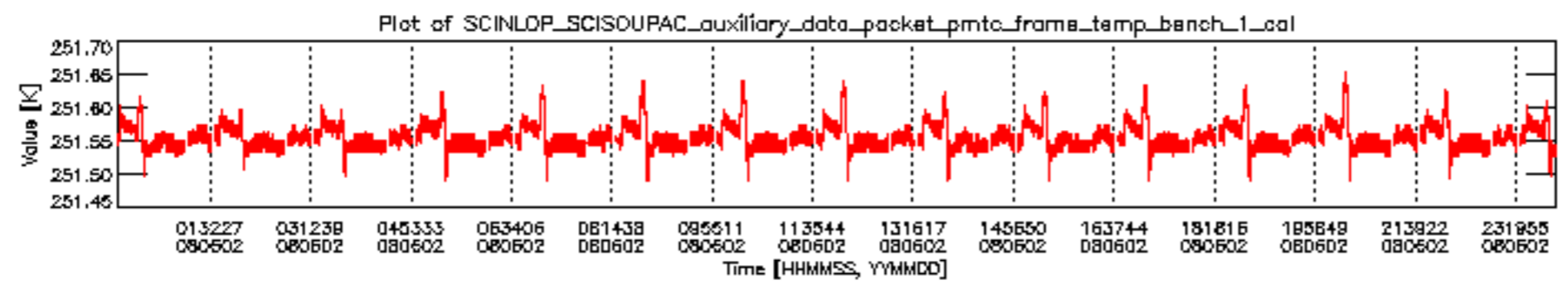
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080601_010111_20080531_192125_20080610_204739
2	AUX_FPO_AXVPDS20080602_010112_20080601_184948_20080611_201602

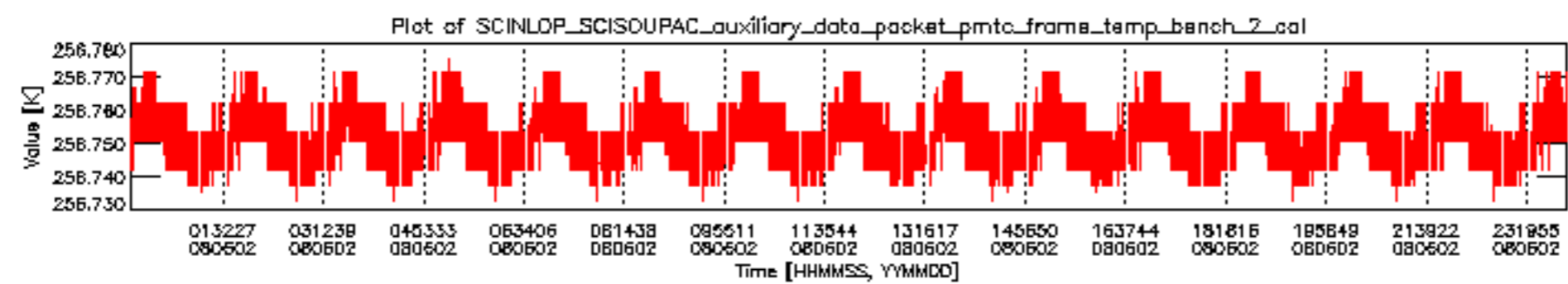


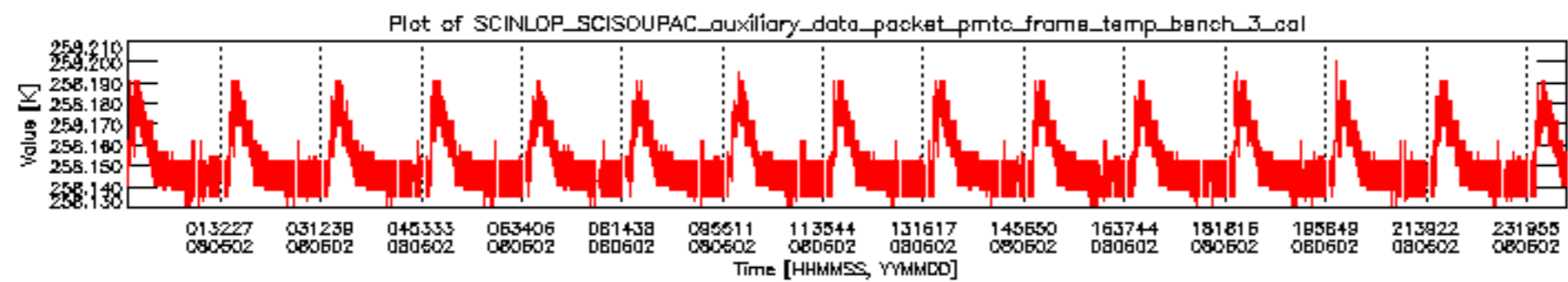
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080602_7.PNG

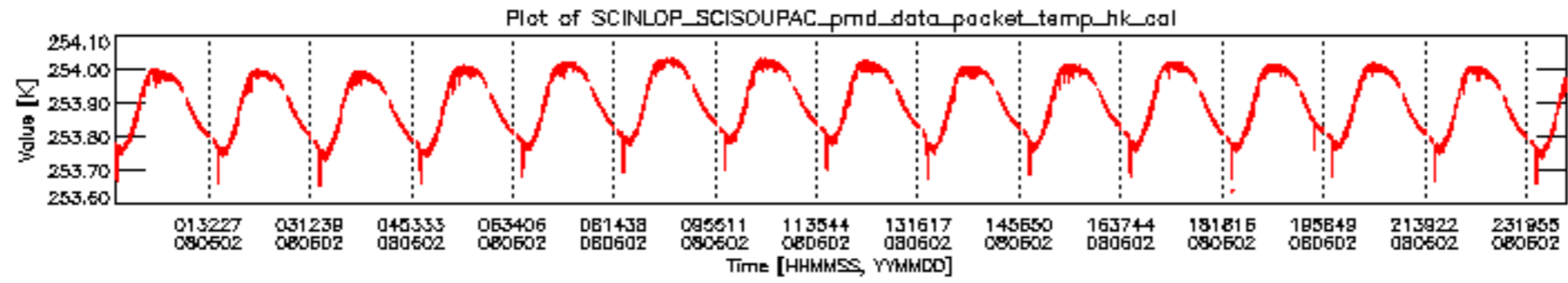


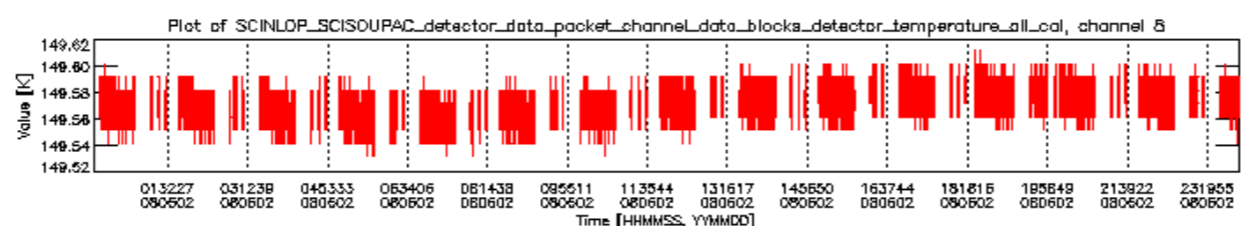
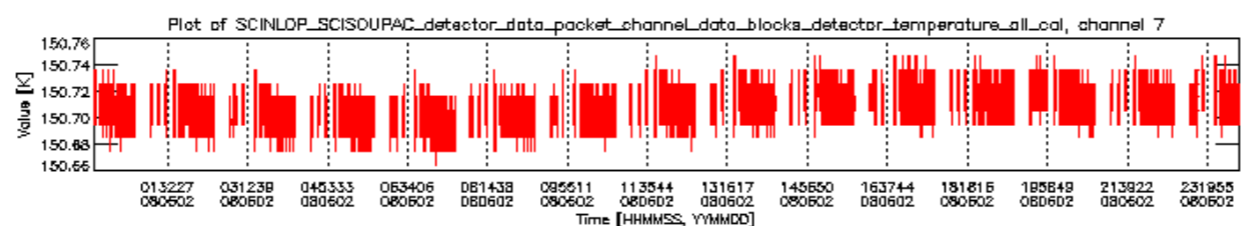
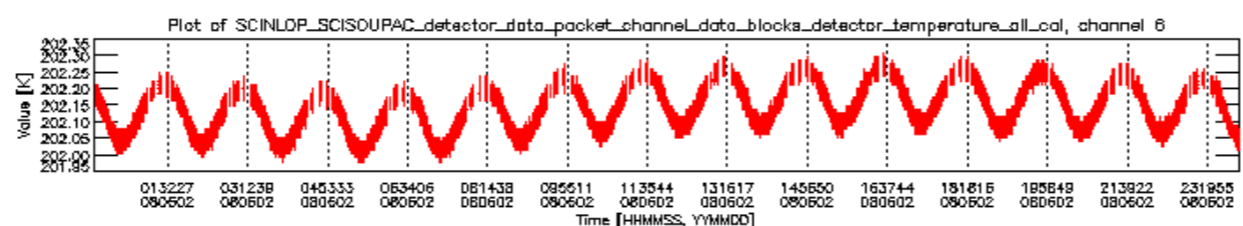
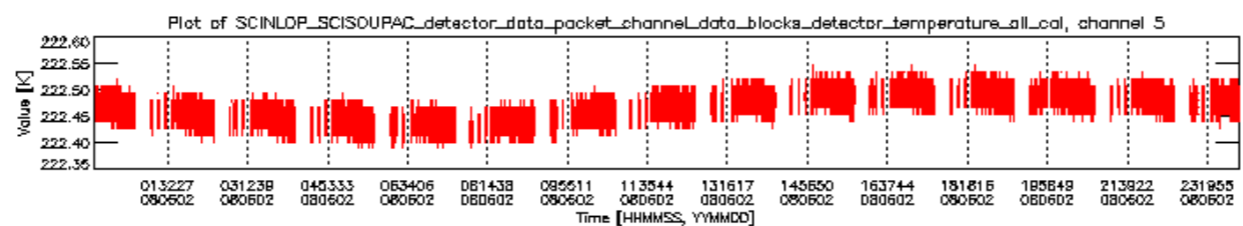
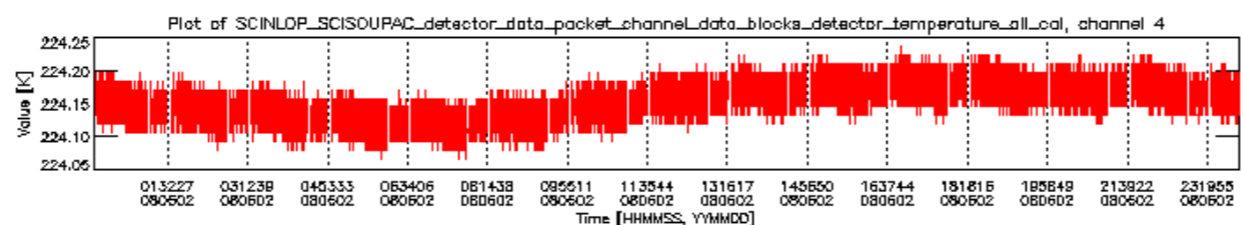
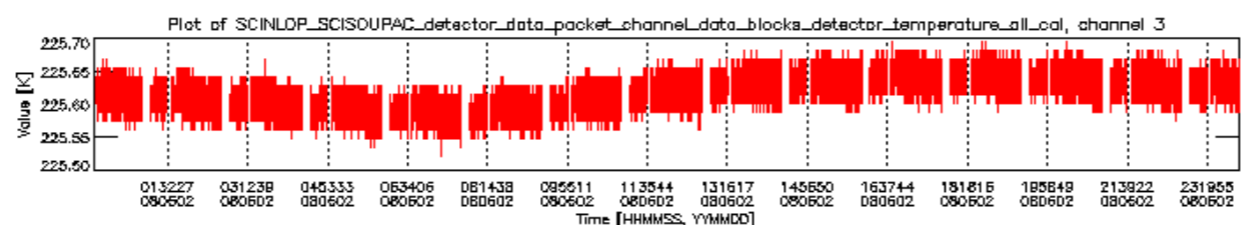
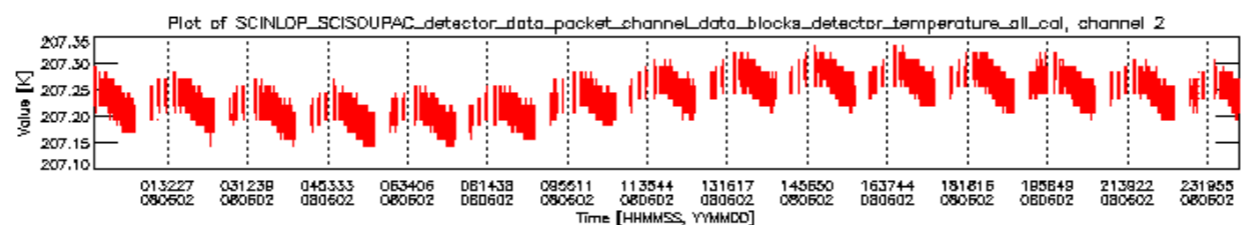
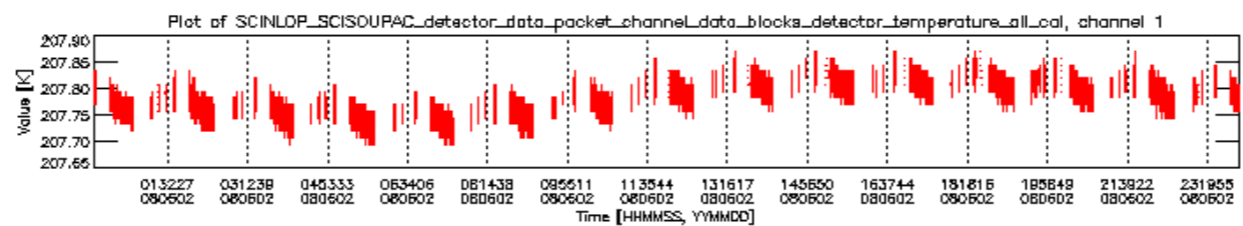
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080602_8.PNG

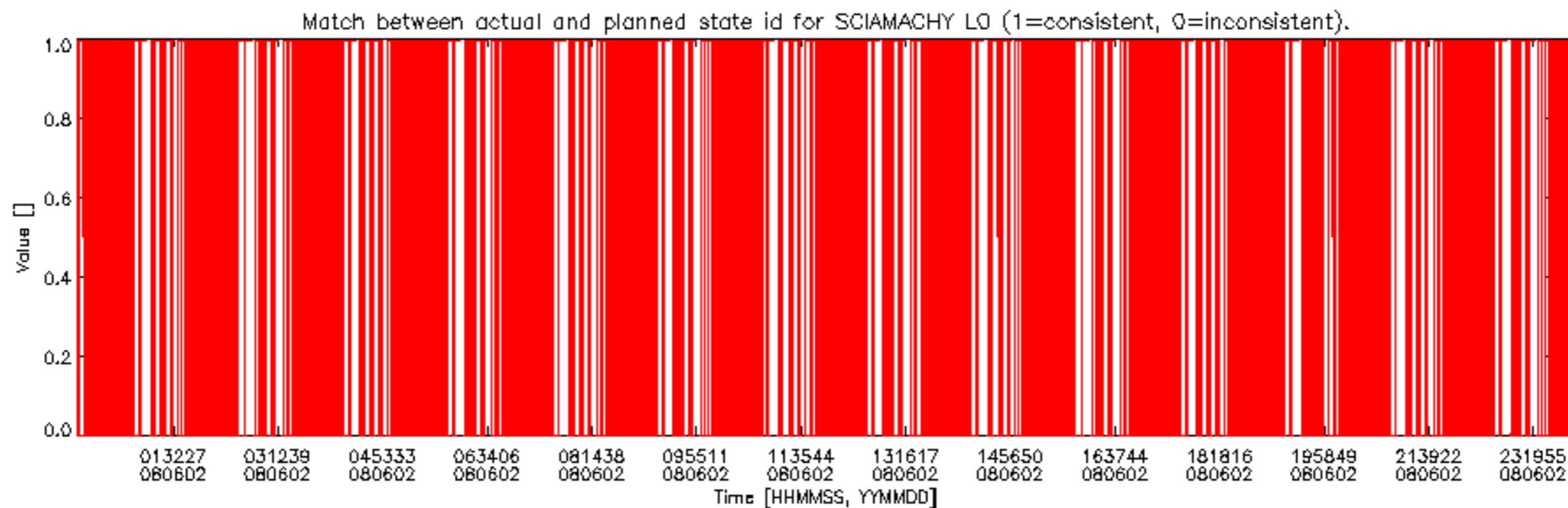
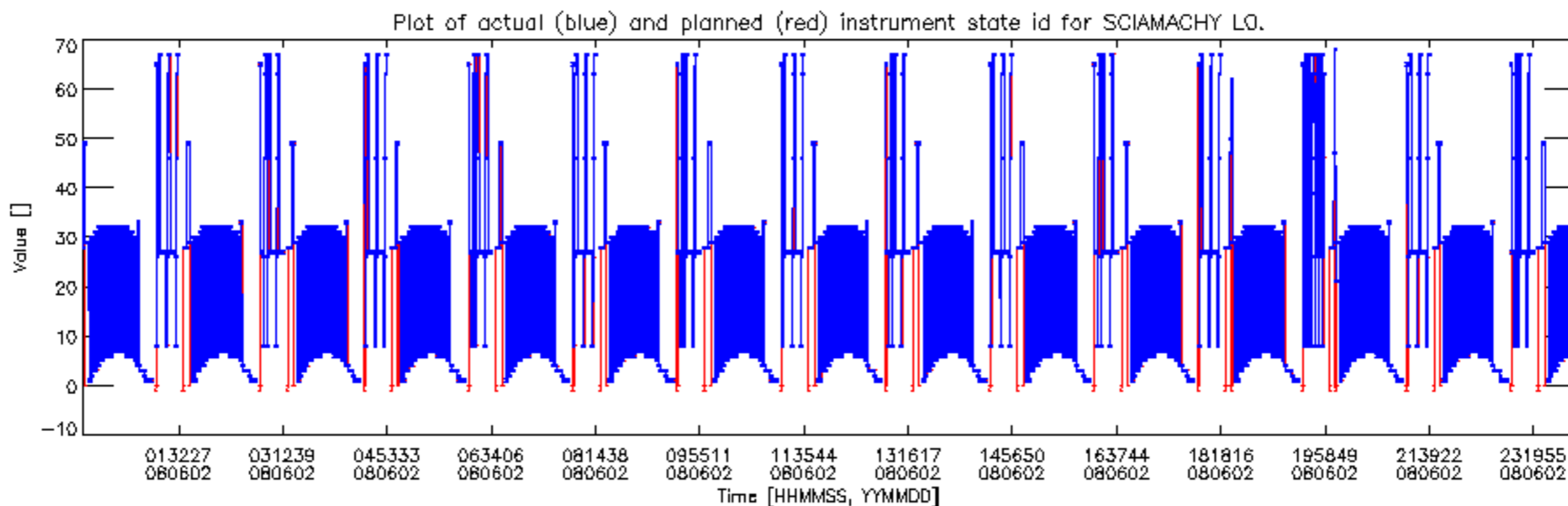












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 02JUN2008.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

