

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	16MAY2008 05:05:07
Data source version	KSPT_L0/4303-N
Processing scope for products	12MAY2008 00:00:00 to 13MAY2008 00:00:00
Start time of first product within scope	11MAY2008 23:00:09
Stop time of last product within scope	13MAY2008 00:08:11
Total number of level 0 products	16
Number of level 0 products with errors	0

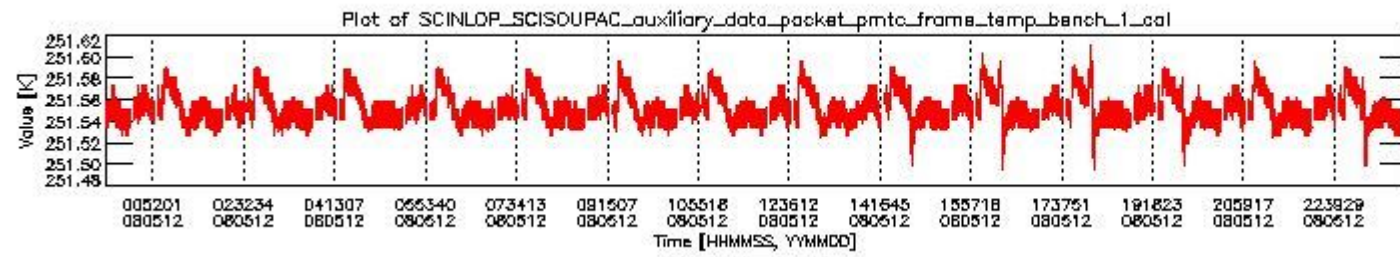
0.1.2 Summary per product

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

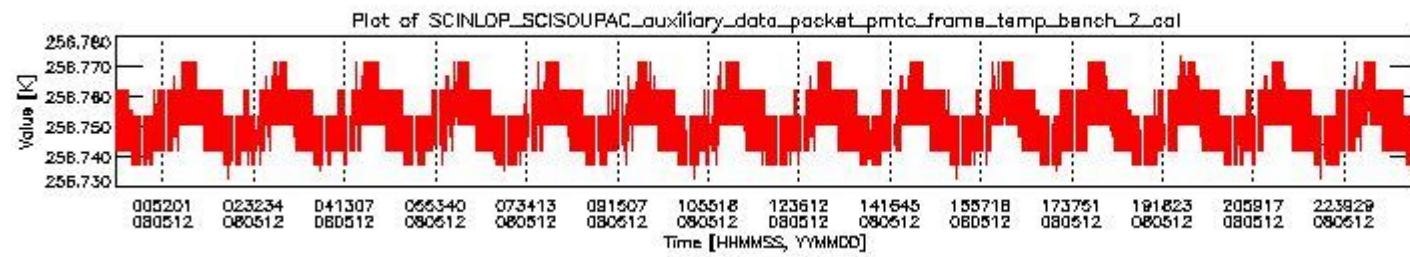
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080511_230009_000060672068_00287_32405_6663.N1	11MAY2008 23:00:09	12MAY2008 00:41:16	0	0	0	0	0
1	SCI_NL__OPNPDE20080512_003952_000058232068_00288_32406_6664.N1	12MAY2008 00:39:52	12MAY2008 02:16:55	0	0	0	0	0
2	SCI_NL__OPNPDE20080512_021611_000045912068_00289_32407_6665.N1	12MAY2008 02:16:11	12MAY2008 03:32:43	0	0	0	0	0
3	SCI_NL__OPNPDE20080512_033147_000060922068_00290_32408_6666.N1	12MAY2008 03:31:47	12MAY2008 05:13:18	0	0	0	0	0
4	SCI_NL__OPNPDE20080512_051318_000061042068_00291_32409_6667.N1	12MAY2008 05:13:18	12MAY2008 06:55:03	0	0	0	0	0
5	SCI_NL__OPNPDK20080512_065354_000041012068_00292_32410_8193.N1	12MAY2008 06:53:54	12MAY2008 08:02:15	0	0	0	0	0
6	SCI_NL__OPNPDK20080512_080119_000061602068_00293_32411_8194.N1	12MAY2008 08:01:19	12MAY2008 09:43:59	0	0	0	0	0
7	SCI_NL__OPNPDK20080512_094359_000059672068_00294_32412_8195.N1	12MAY2008 09:43:59	12MAY2008 11:23:26	0	0	0	0	0
8	SCI_NL__OPNPDK20080512_112326_000059242068_00295_32413_8196.N1	12MAY2008 11:23:26	12MAY2008 13:02:10	0	0	0	0	0
9	SCI_NL__OPNPDK20080512_130210_000059672068_00296_32414_8197.N1	12MAY2008 13:02:10	12MAY2008 14:41:37	0	0	0	0	0
10	SCI_NL__OPNPDK20080512_144028_000058552068_00297_32415_8198.N1	12MAY2008 14:40:28	12MAY2008 16:18:04	0	0	0	0	0
11	SCI_NL__OPNPDK20080512_161708_000059422068_00298_32416_8199.N1	12MAY2008 16:17:08	12MAY2008 17:56:10	0	0	0	0	0
12	SCI_NL__OPNPDK20080512_175405_000060212068_00299_32417_8200.N1	12MAY2008 17:54:05	12MAY2008 19:34:26	0	0	0	0	0
13	SCI_NL__OPNPDE20080512_193318_000043412068_00300_32418_6668.N1	12MAY2008 19:33:18	12MAY2008 20:45:39	0	0	0	0	0
14	SCI_NL__OPNPDE20080512_204455_000062562068_00300_32418_6669.N1	12MAY2008 20:44:55	12MAY2008 22:29:11	0	0	0	0	0
15	SCI_NL__OPNPDE20080512_222827_000059842068_00301_32419_6670.N1	12MAY2008 22:28:27	13MAY2008 00:08:11	0	0	0	0	0

0.2 Product Quality Indicators

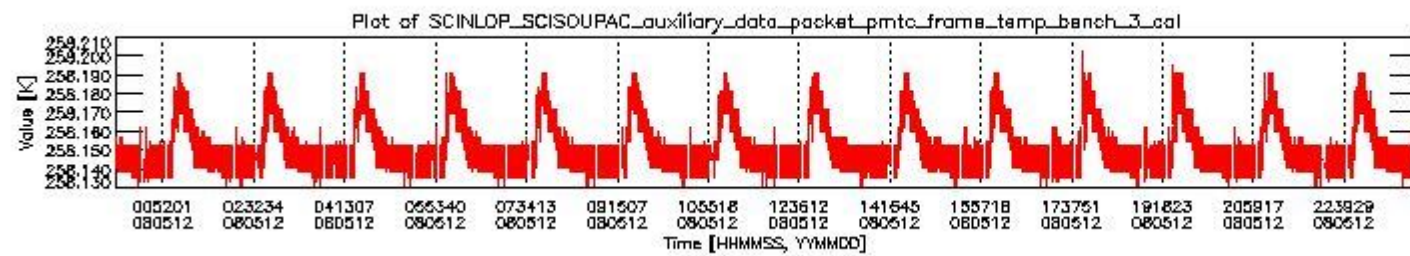
This section shows information about product quality, currently temperatures.



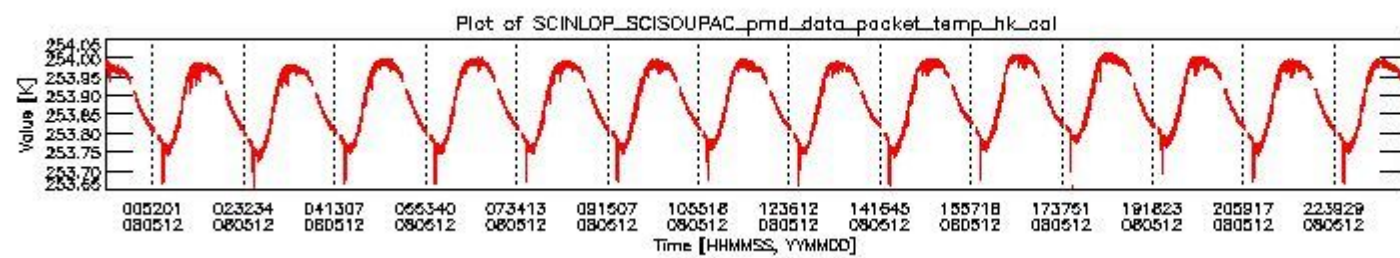
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080512_0.PNG



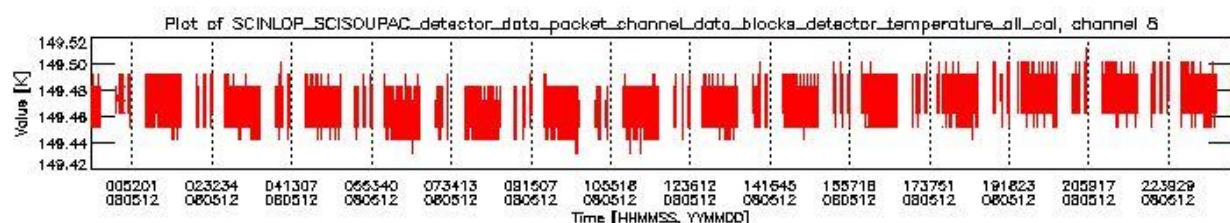
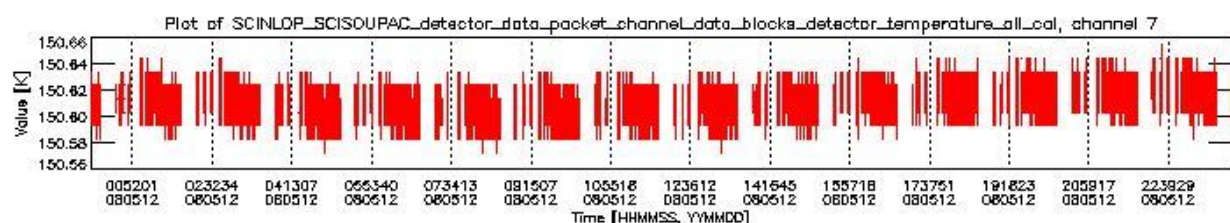
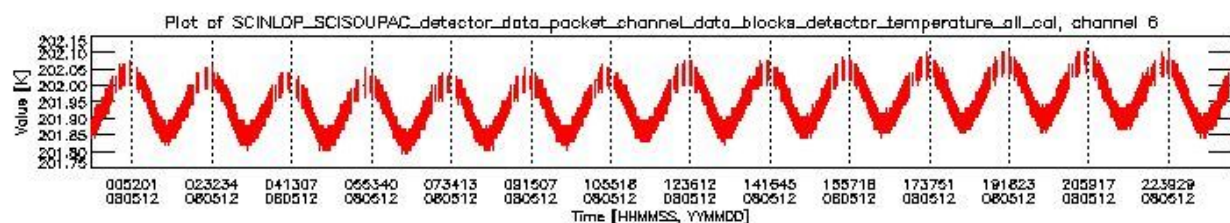
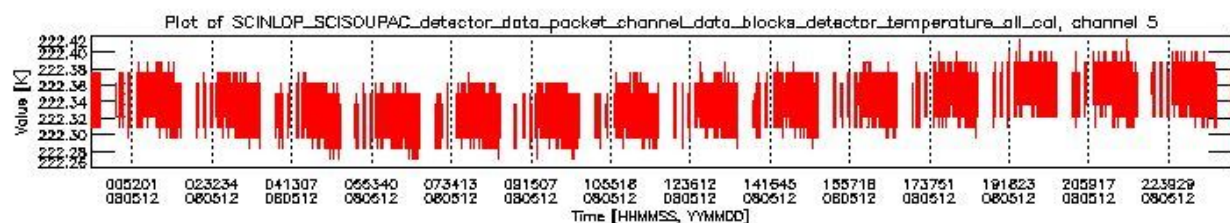
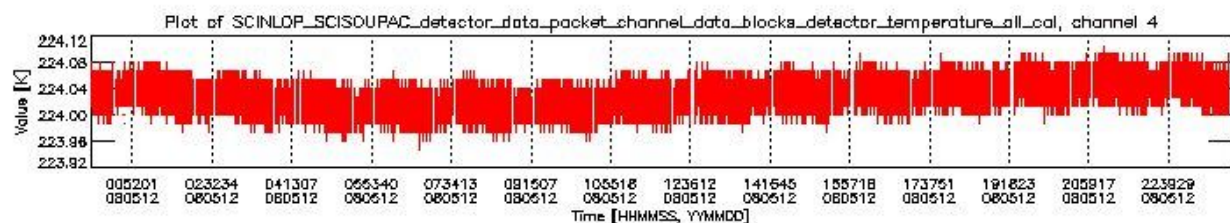
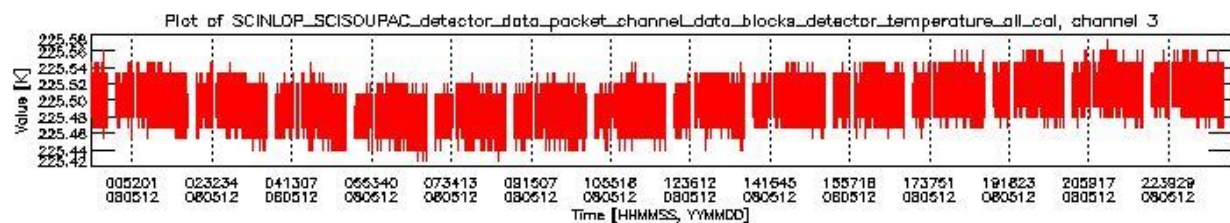
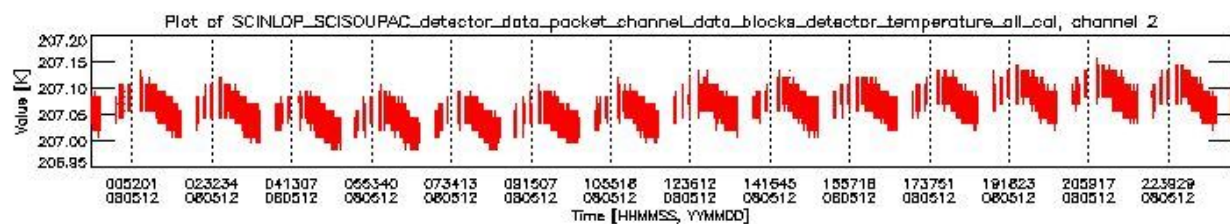
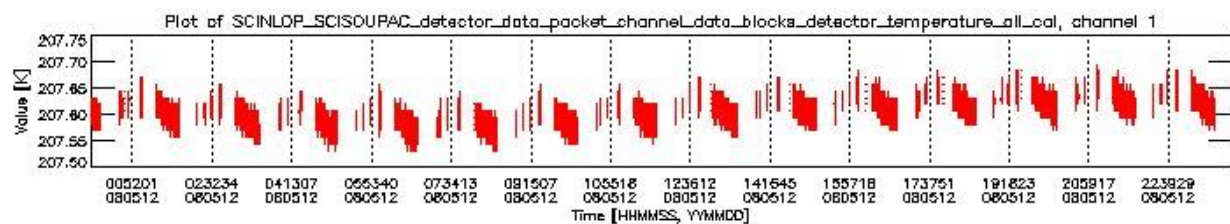
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080512_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080512_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080512_3.PNG

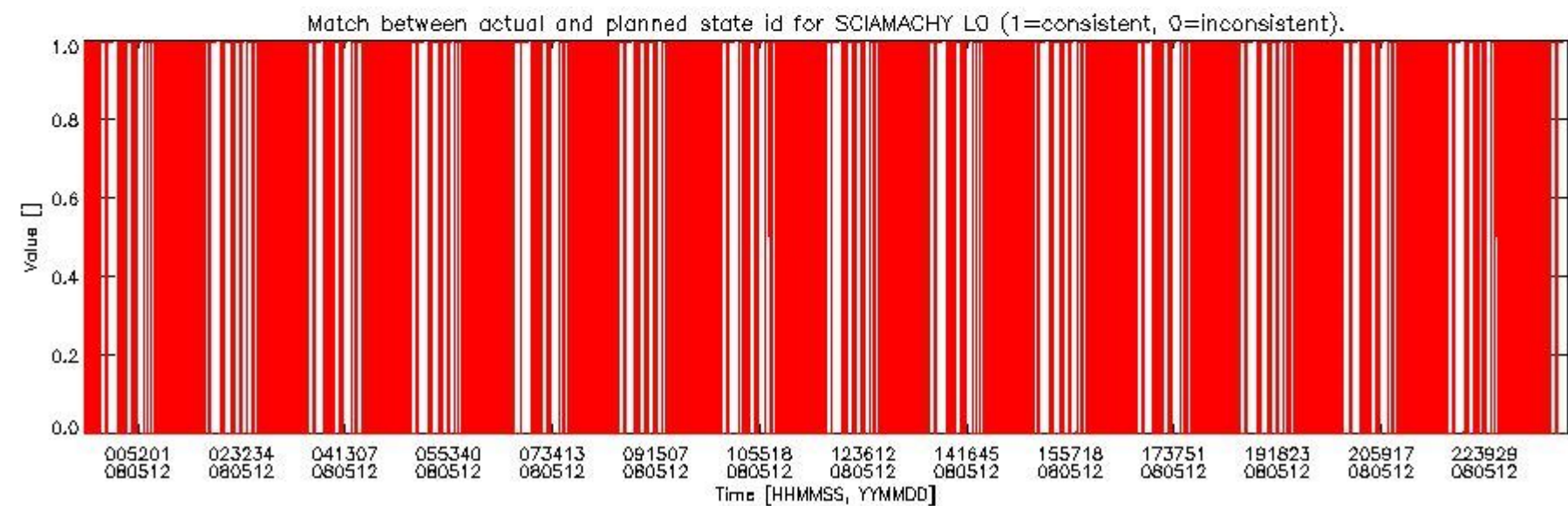
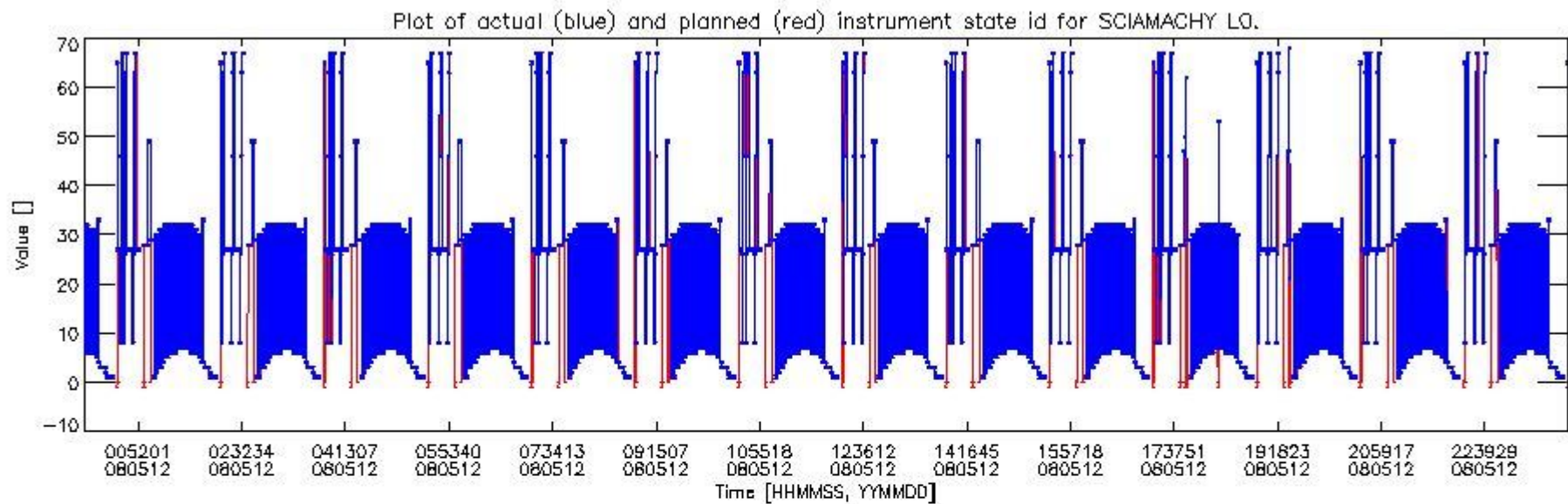


0.3 State monitoring

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: **37393**

#	Actual time	Actual value	Planned time	Planned value
0	12MAY2008 00:00:13.943477	32	12MAY2008 00:00:13.943477	7
1	12MAY2008 00:00:14.568499	32	12MAY2008 00:00:14.568499	7
2	12MAY2008 00:00:14.943472	32	12MAY2008 00:00:14.943472	7
3	12MAY2008 00:00:15.318485	32	12MAY2008 00:00:15.318485	7
4	12MAY2008 00:00:15.880984	32	12MAY2008 00:00:15.880984	7
5	12MAY2008 00:00:16.255997	32	12MAY2008 00:00:16.255997	7
6	12MAY2008 00:00:16.630970	32	12MAY2008 00:00:16.630970	7
7	12MAY2008 00:00:17.005983	32	12MAY2008 00:00:17.005983	7
8	12MAY2008 00:00:17.568482	32	12MAY2008 00:00:17.568482	7
9	12MAY2008 00:00:17.943496	32	12MAY2008 00:00:17.943496	7
10	12MAY2008 00:00:18.318468	32	12MAY2008 00:00:18.318468	7
11	12MAY2008 00:00:18.693481	32	12MAY2008 00:00:18.693481	7
12	12MAY2008 00:00:18.943490	32	12MAY2008 00:00:18.943490	7
13	12MAY2008 00:00:19.255981	32	12MAY2008 00:00:19.255981	7
14	12MAY2008 00:00:19.630994	32	12MAY2008 00:00:19.630994	7
15	12MAY2008 00:00:20.005967	32	12MAY2008 00:00:20.005967	7
16	12MAY2008 00:00:20.380980	32	12MAY2008 00:00:20.380980	7
17	12MAY2008 00:00:20.943479	32	12MAY2008 00:00:20.943479	7
18	12MAY2008 00:00:21.318492	32	12MAY2008 00:00:21.318492	7
19	12MAY2008 00:00:21.693465	32	12MAY2008 00:00:21.693465	7

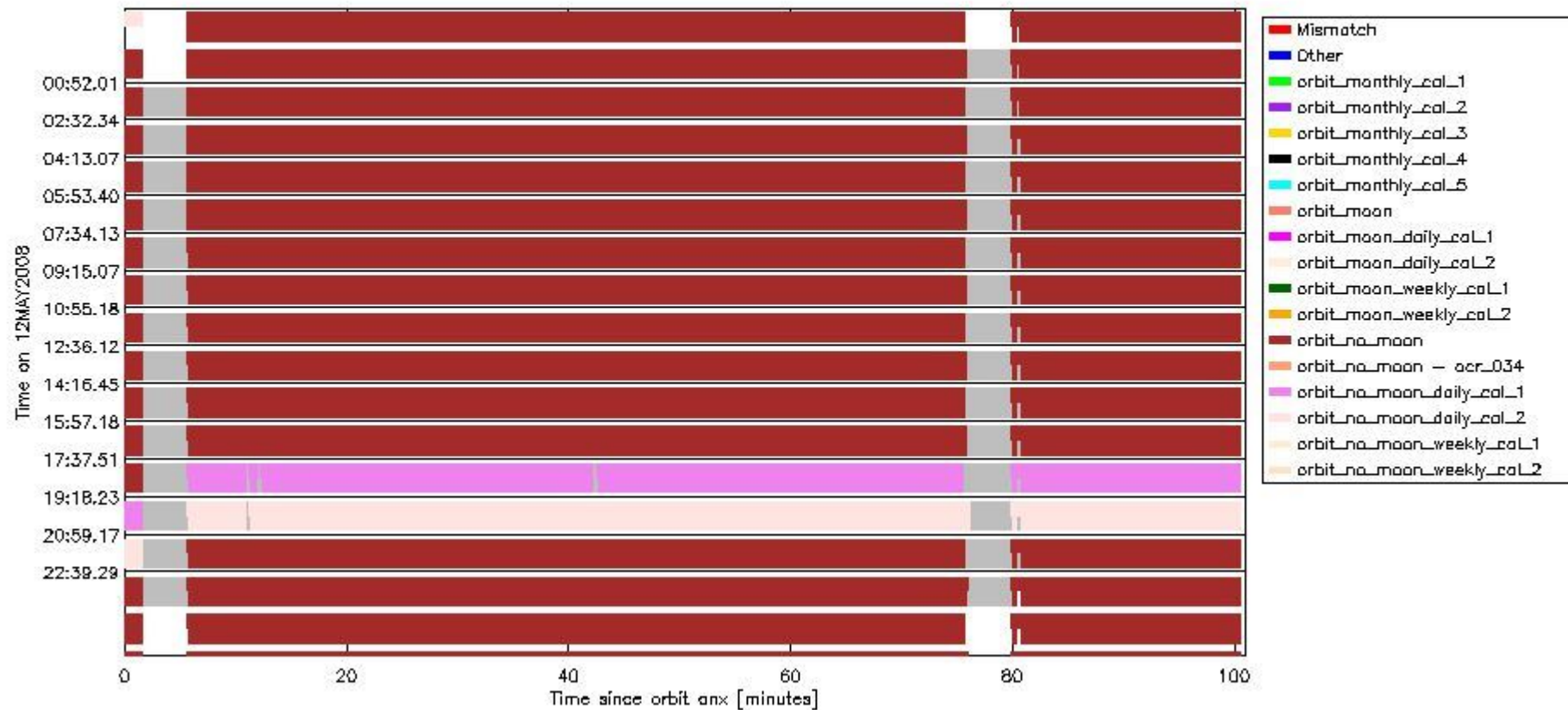


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080512_5.PNG

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 12MAY2008.
 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_20080512_6.PNG

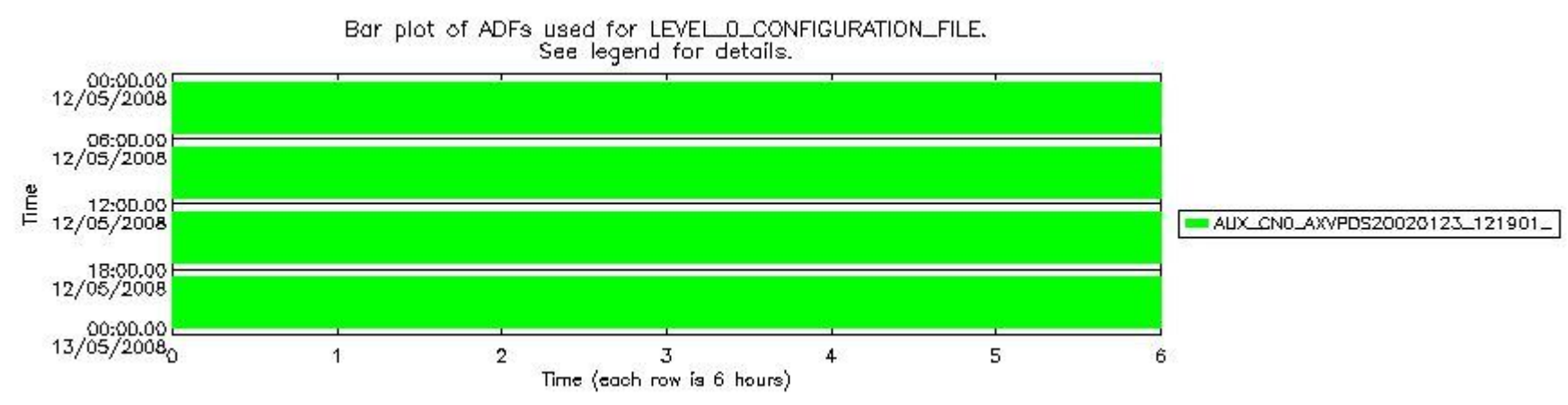
0.4 ADF monitoring

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

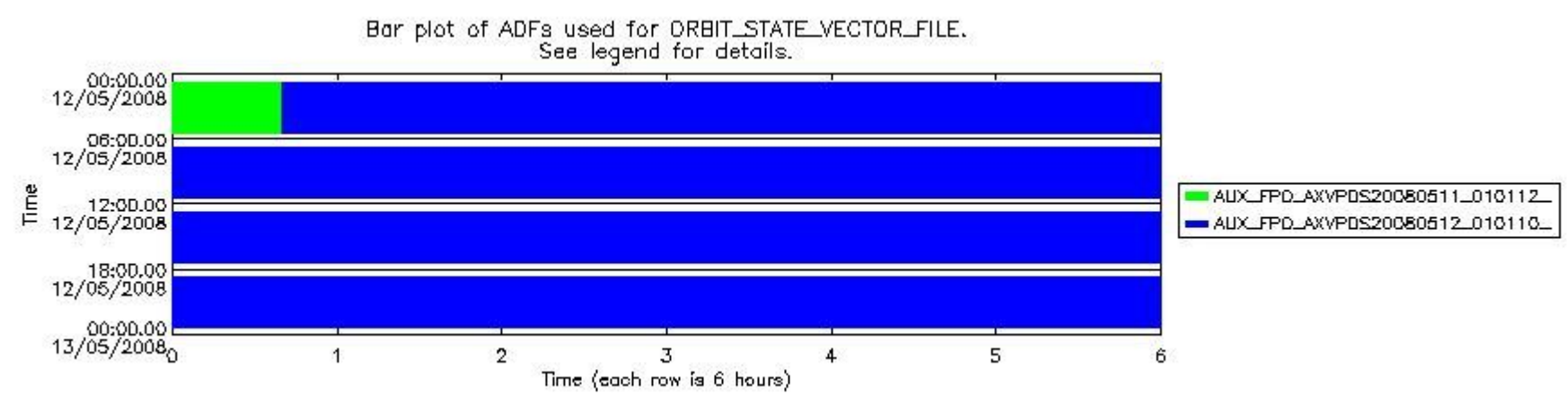
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

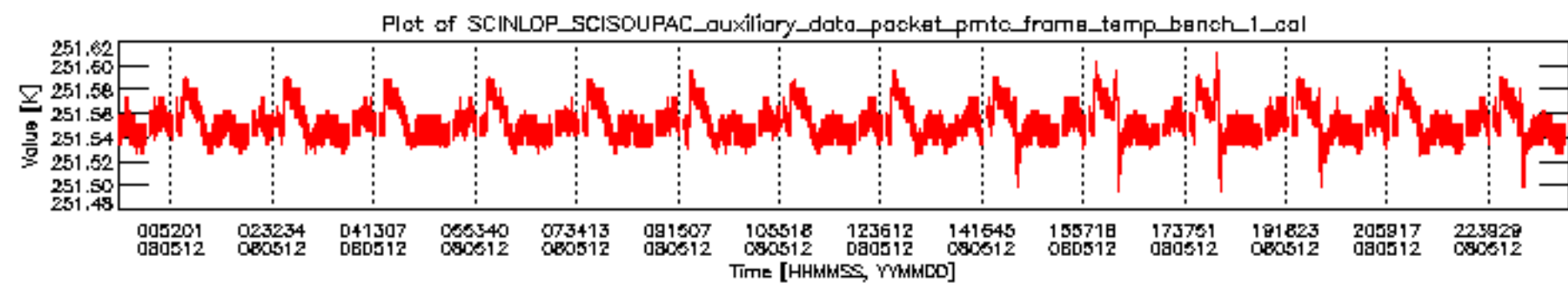
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080511_010112_20080510_184110_20080520_200724
2	AUX_FPO_AXVPDS20080512_010110_20080511_195009_20080521_211623

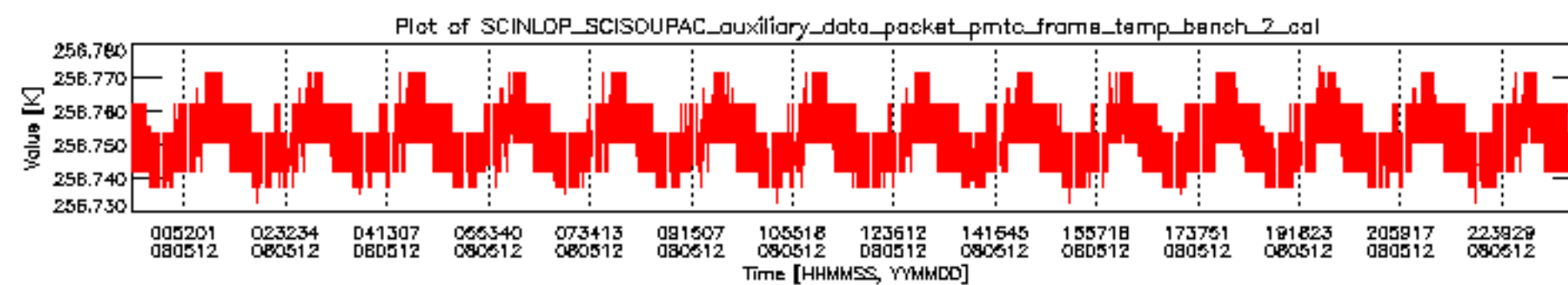


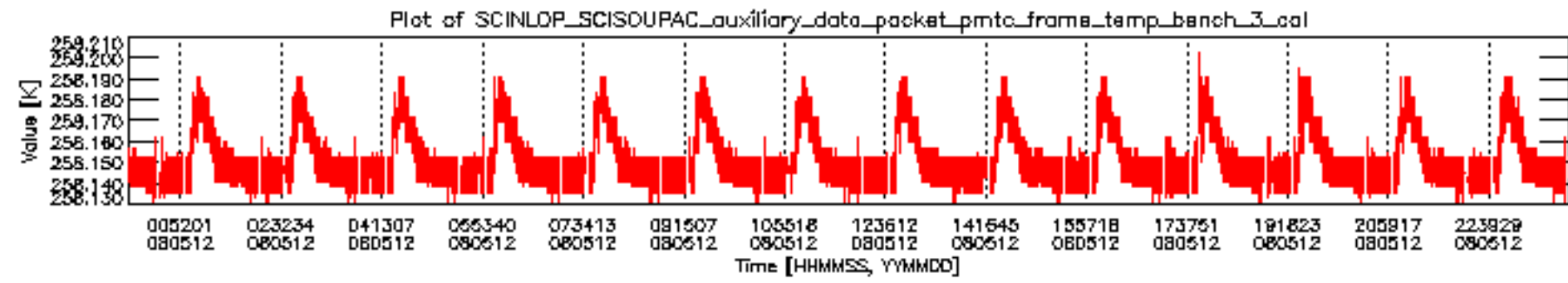
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080512_7.PNG

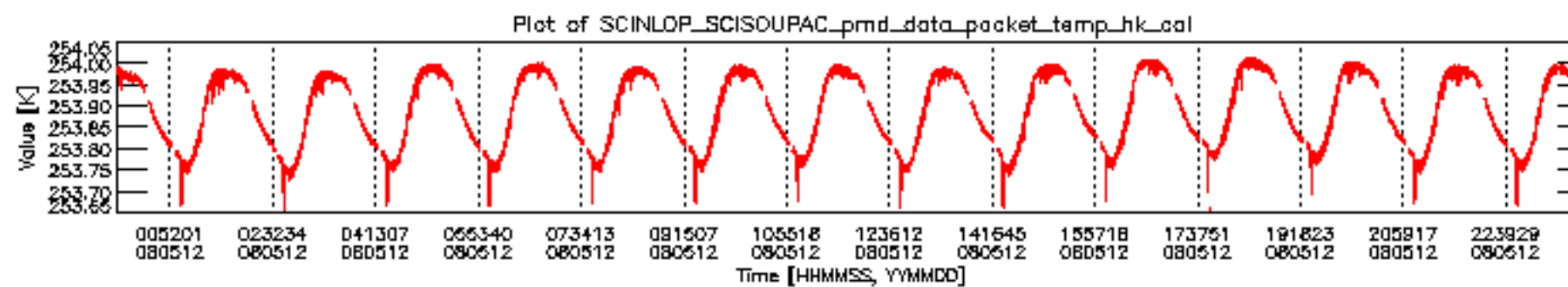


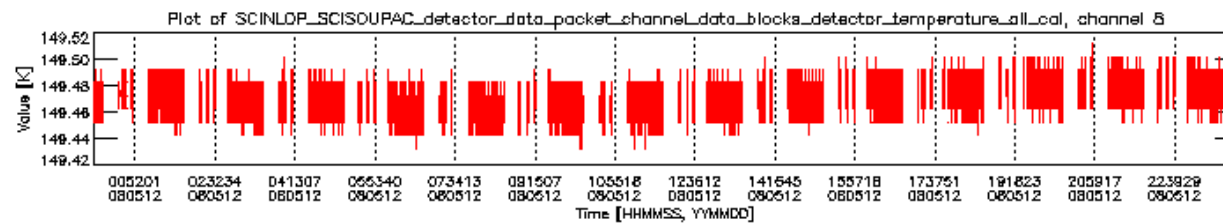
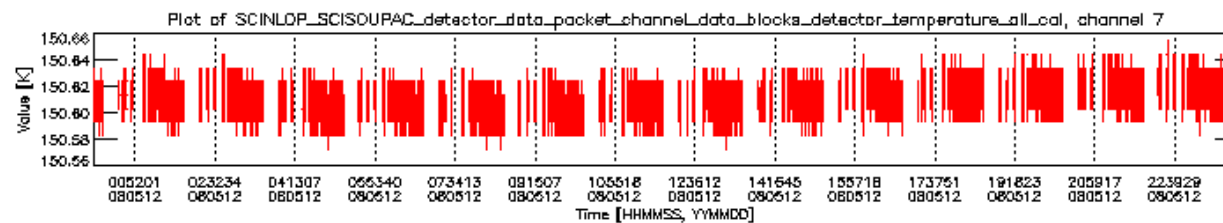
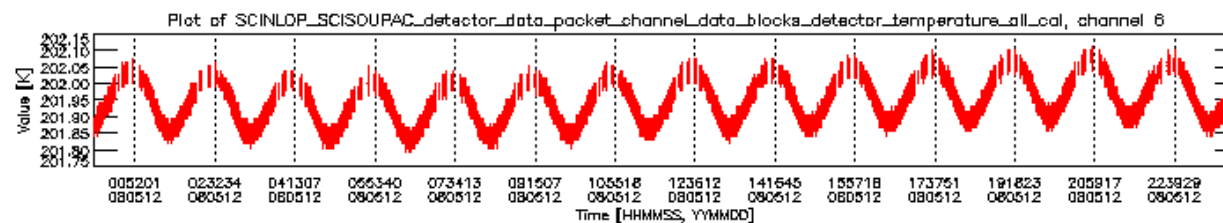
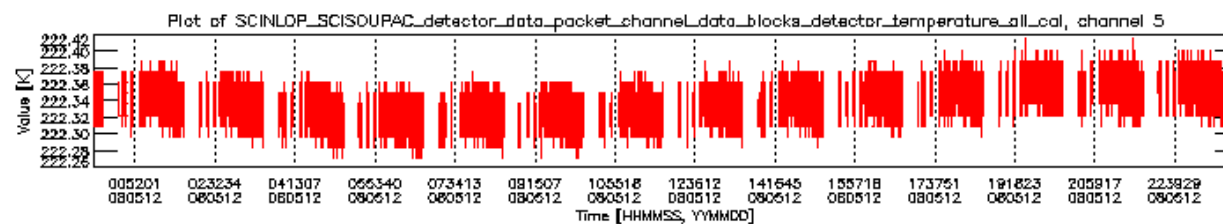
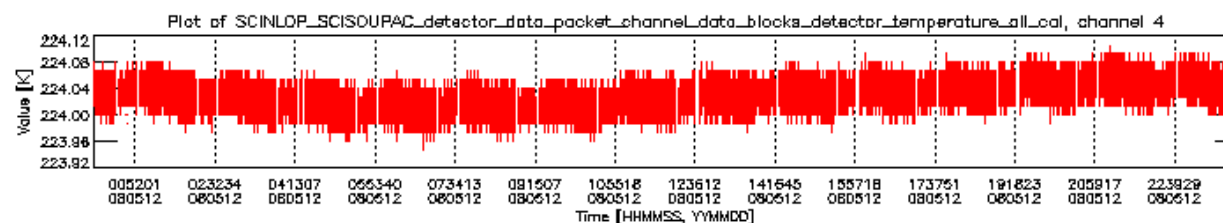
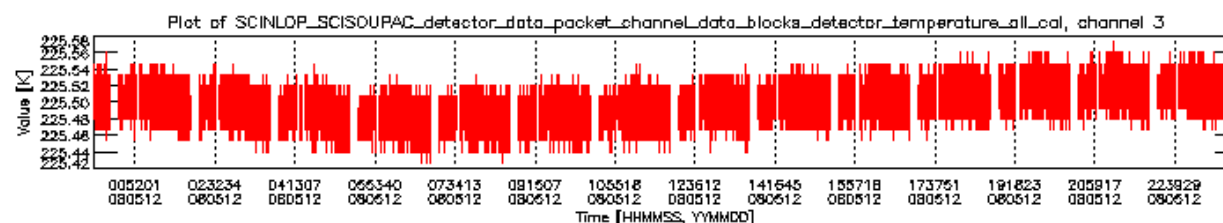
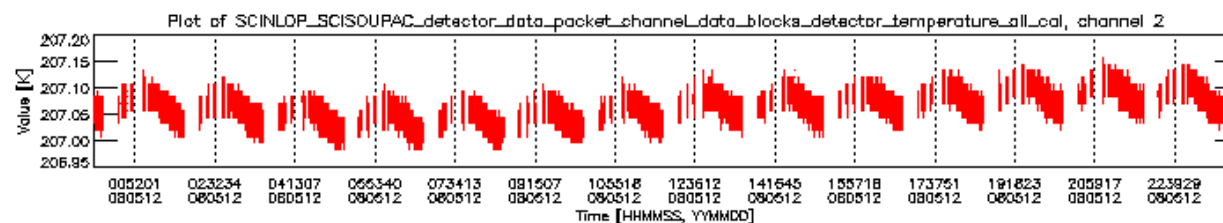
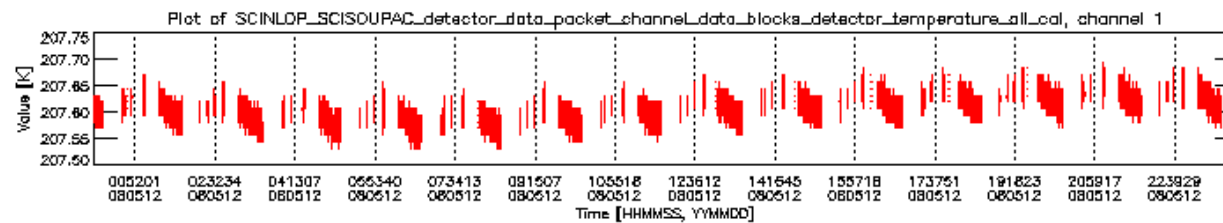
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080512_8.PNG

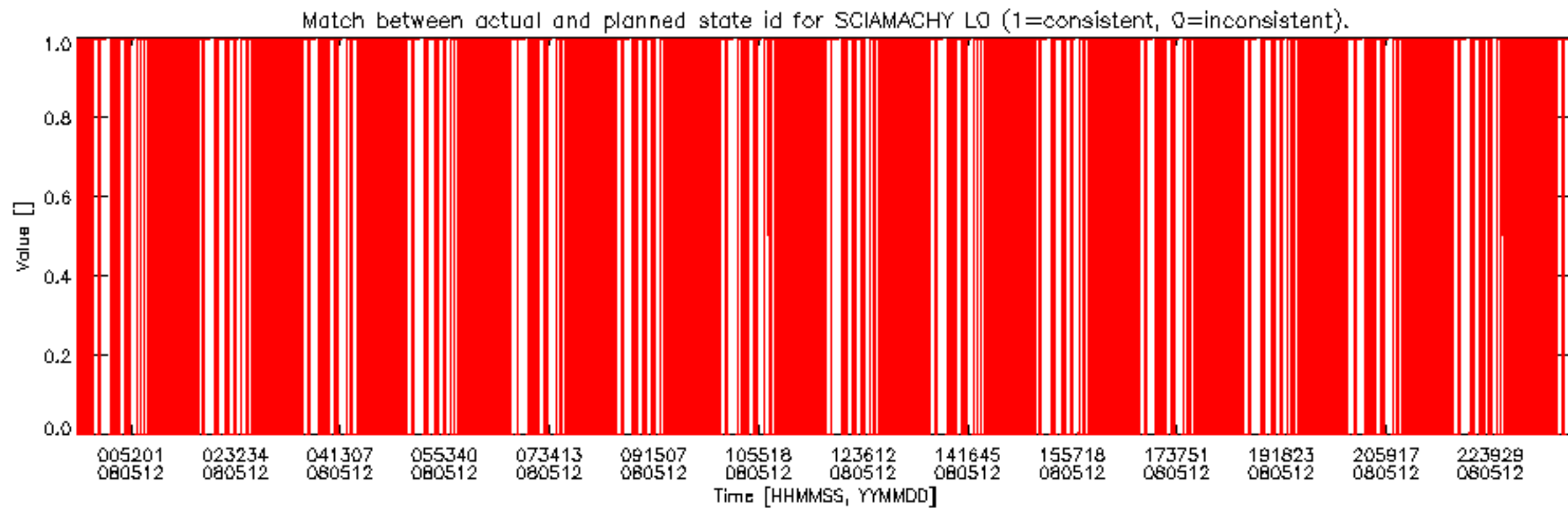
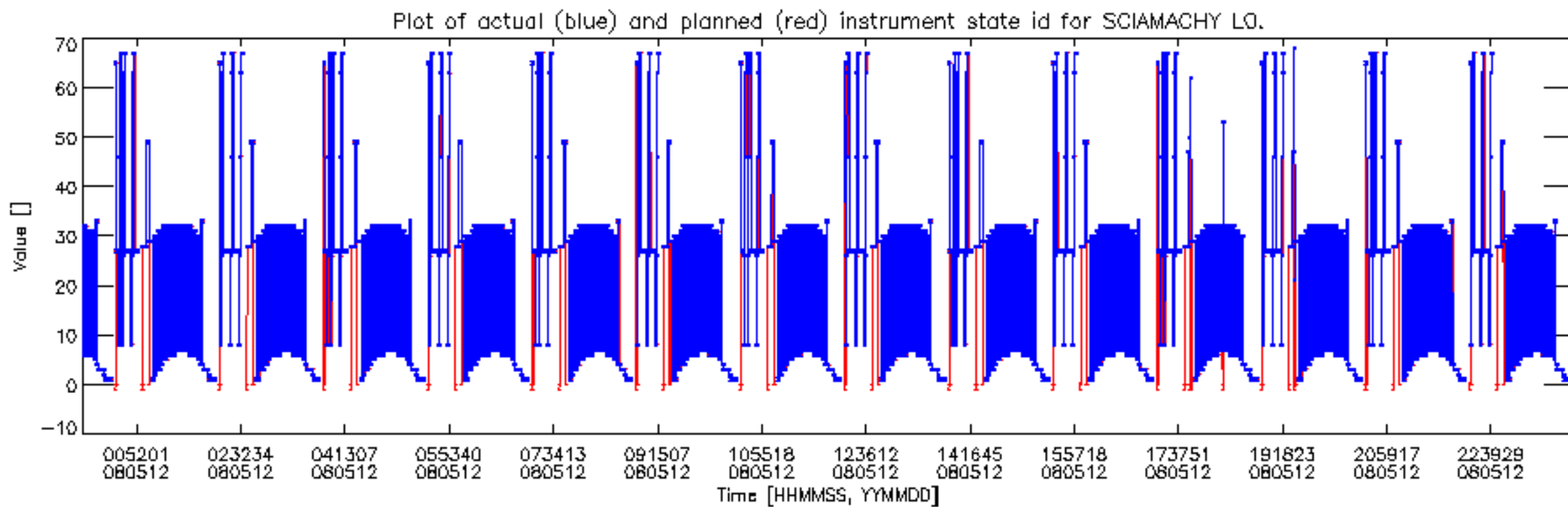












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 12MAY2008.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

