

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	v1.4 20100407
Time of report generation	10MAY2010 16:42:55
Data source version	<Any version>
Processing scope for products	03MAY2010 00:00:00 to 04MAY2010 00:00:00
Start time of first product within scope	03MAY2010 01:18:42
Stop time of last product within scope	04MAY2010 00:49:03
Total number of Level 0 products	17
Number of Level 0 products with errors	3

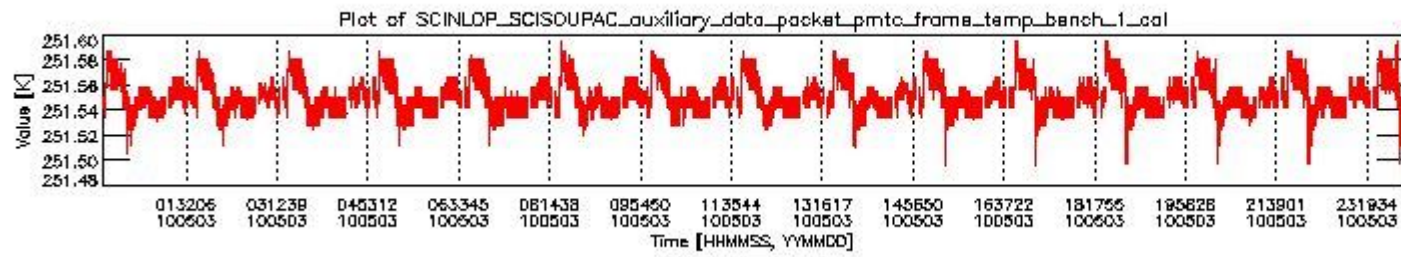
0.1.2 Summary per product

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

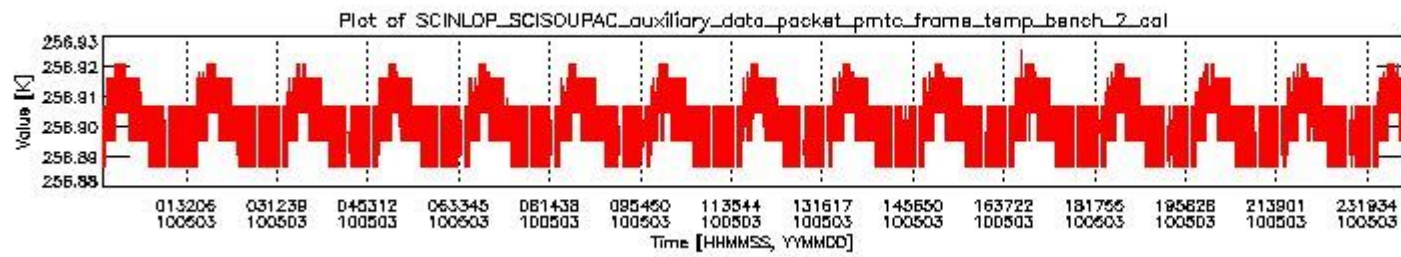
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20100503_011842_000044502089_00088_42727_1377.N1	03MAY2010 01:18:42	03MAY2010 02:32:51	0	0	0	0	0
1	SCI_NL__OPNPDE20100503_023251_000061042089_00089_42728_1378.N1	03MAY2010 02:32:51	03MAY2010 04:14:35	0	0	0	0	0
2	SCI_NL__OPNPDE20100503_041327_000060362089_00090_42729_1379.N1	03MAY2010 04:13:27	03MAY2010 05:54:03	0	0	0	0	0
3	SCI_NL__OPNPDK20100503_055254_000041822089_00091_42730_1289.N1	03MAY2010 05:52:54	03MAY2010 07:02:36	0	0	0	0	0
4	SCI_NL__OPNPDK20100503_070236_000061472089_00092_42731_1290.N1	03MAY2010 07:02:36	03MAY2010 08:45:03	0	0	0	0	0
5	SCI_NL__OPNPDK20100503_084407_000060362089_00093_42732_1291.N1	03MAY2010 08:44:07	03MAY2010 10:24:43	0	0	0	0	0
6	SCI_NL__OPNPDK20100503_102347_000060232089_00094_42733_1292.N1	03MAY2010 10:23:47	03MAY2010 12:04:10	1	1	0	0	0
7	SCI_NL__OPNPDK20100503_120314_000059112089_00095_42734_1293.N1	03MAY2010 12:03:14	03MAY2010 13:41:45	0	0	0	0	0
8	SCI_NL__OPNPDK20100503_134145_000058432089_00096_42735_1294.N1	03MAY2010 13:41:45	03MAY2010 15:19:08	0	0	0	0	0
9	SCI_NL__OPNPDK20100503_151908_000058552089_00097_42736_1301.N1	03MAY2010 15:19:08	03MAY2010 16:56:43	1	1	0	0	0
10	SCI_NL__OPNPDK20100503_162946_000016172089_00097_42736_1297.N1	03MAY2010 16:29:46	03MAY2010 16:56:43	1	1	0	0	0
11	SCI_NL__OPNPDK20100503_165547_000001802089_00098_42737_1302.N1	03MAY2010 16:55:47	03MAY2010 16:58:48	0	0	0	0	0
12	SCI_NL__OPNPDK20100503_165848_000058592089_00098_42737_1303.N1	03MAY2010 16:58:48	03MAY2010 18:36:27	0	0	0	0	0
13	SCI_NL__OPNPDK20100503_183423_000060482089_00099_42738_1304.N1	03MAY2010 18:34:23	03MAY2010 20:15:11	0	0	0	0	0
14	SCI_NL__OPNPDE20100503_201307_000043622089_00100_42739_1380.N1	03MAY2010 20:13:07	03MAY2010 21:25:48	0	0	0	0	0
15	SCI_NL__OPNPDE20100503_212425_000062512089_00100_42739_1381.N1	03MAY2010 21:24:25	03MAY2010 23:08:36	0	0	0	0	0
16	SCI_NL__OPNPDE20100503_230752_000060722089_00101_42740_1382.N1	03MAY2010 23:07:52	04MAY2010 00:49:03	0	0	0	0	0

0.2 Product Quality Indicators

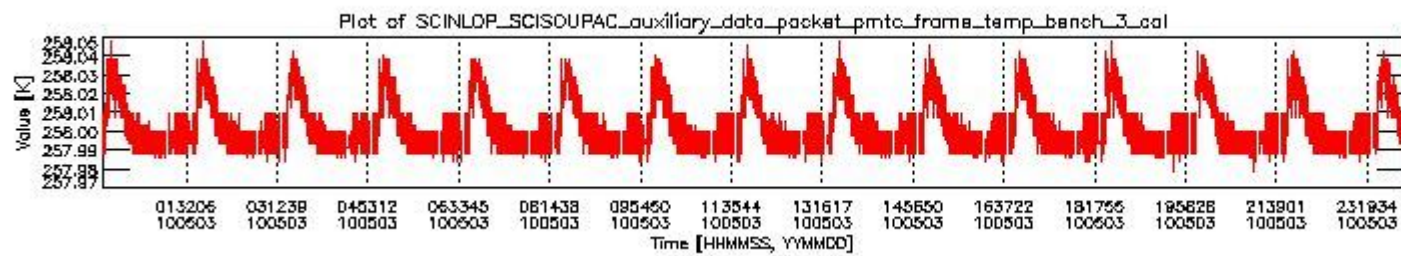
This section shows information about product quality, currently temperatures.



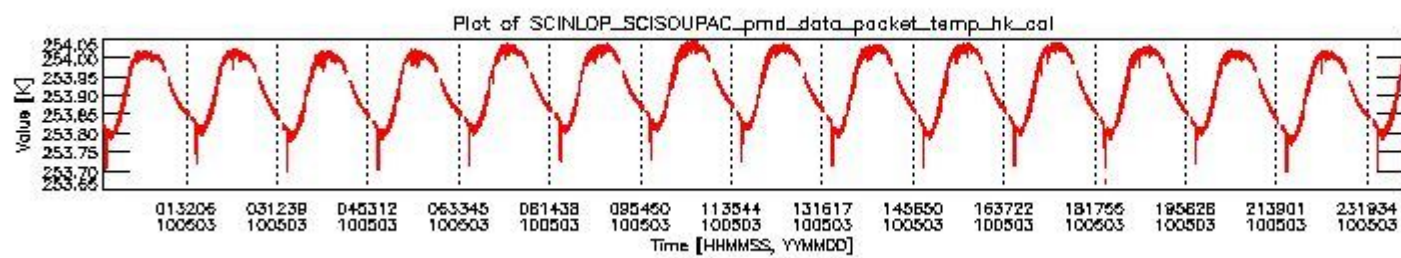
sciamachy_daily_report_level0_Any_version_20100503_0.PNG



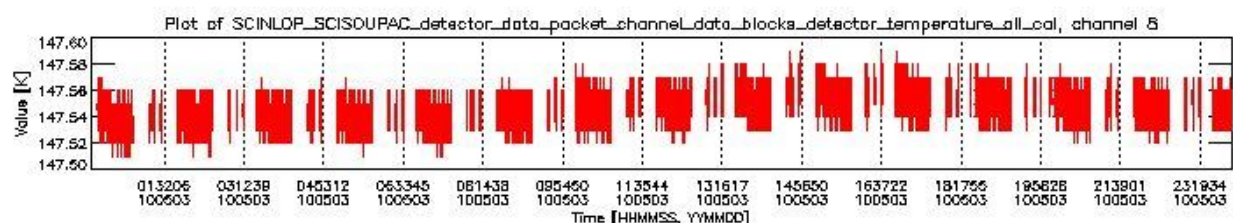
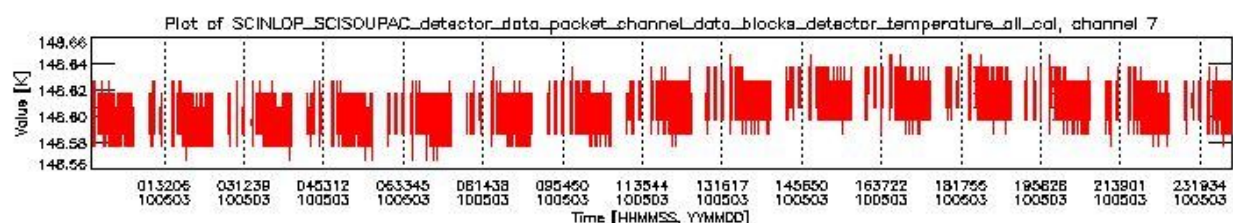
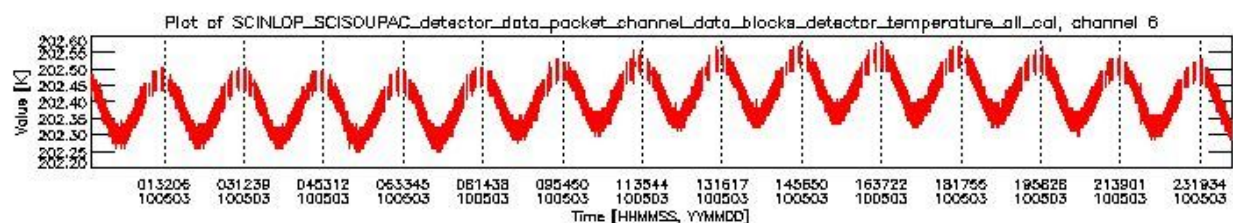
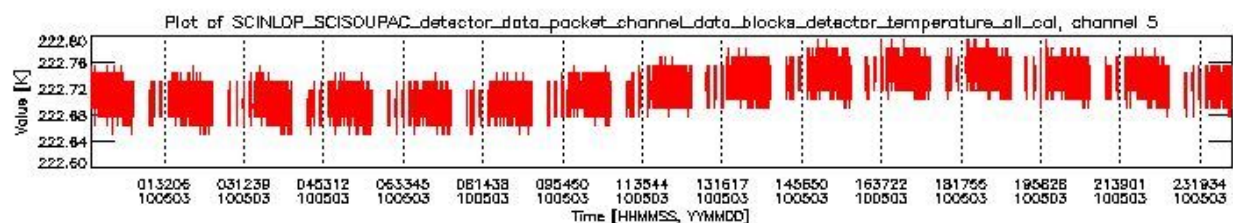
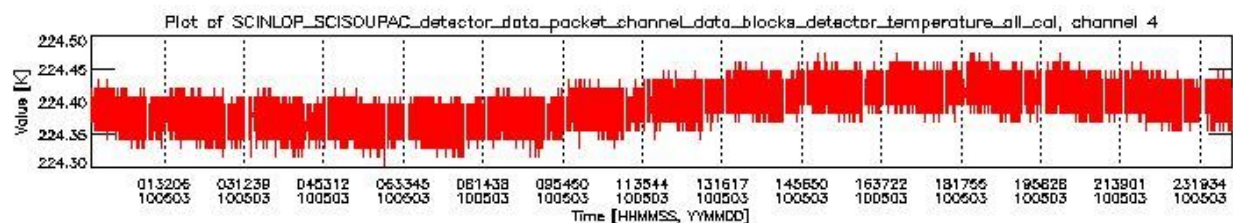
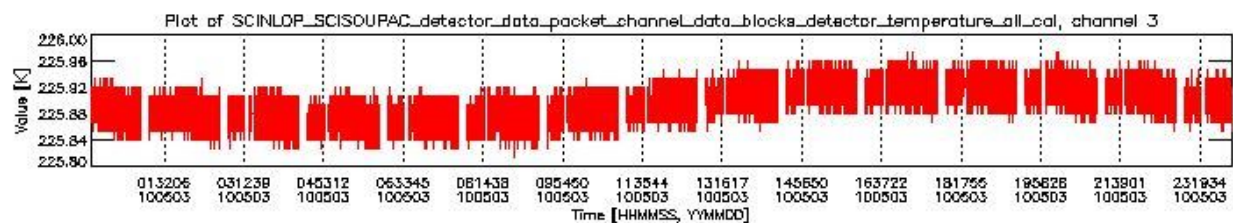
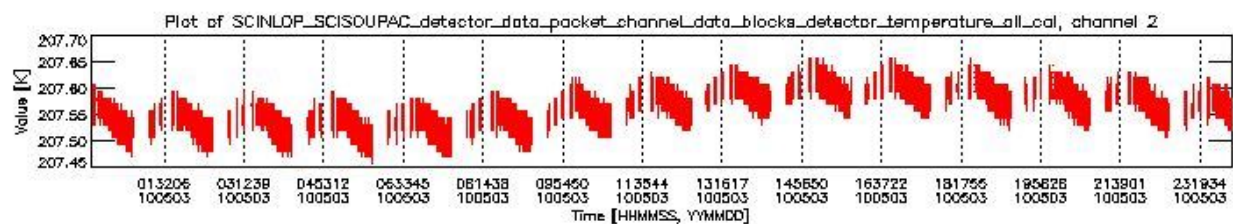
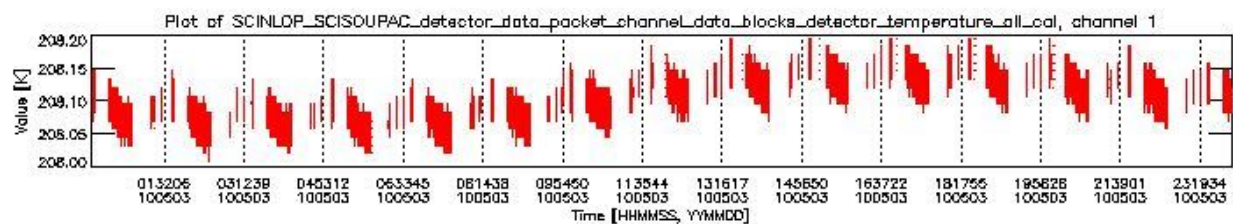
sciamachy_daily_report_level0_Any_version_20100503_1.PNG



sciamachy_daily_report_level0_Any_version_20100503_2.PNG



sciamachy_daily_report_level0_Any_version_20100503_3.PNG

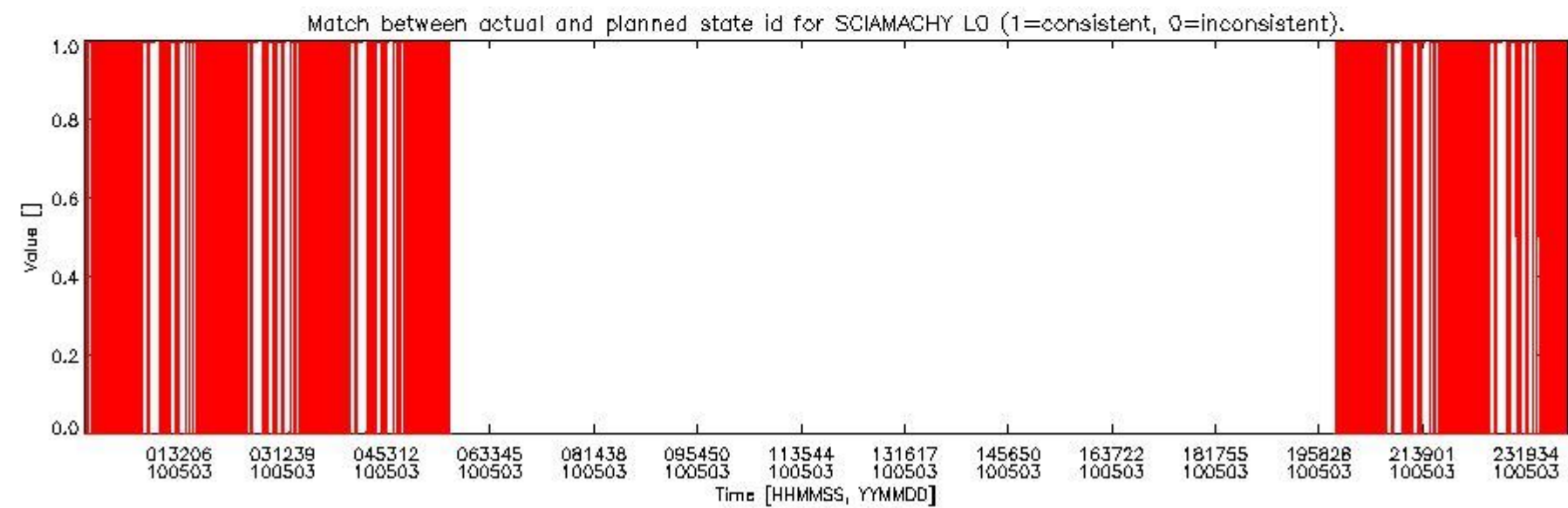
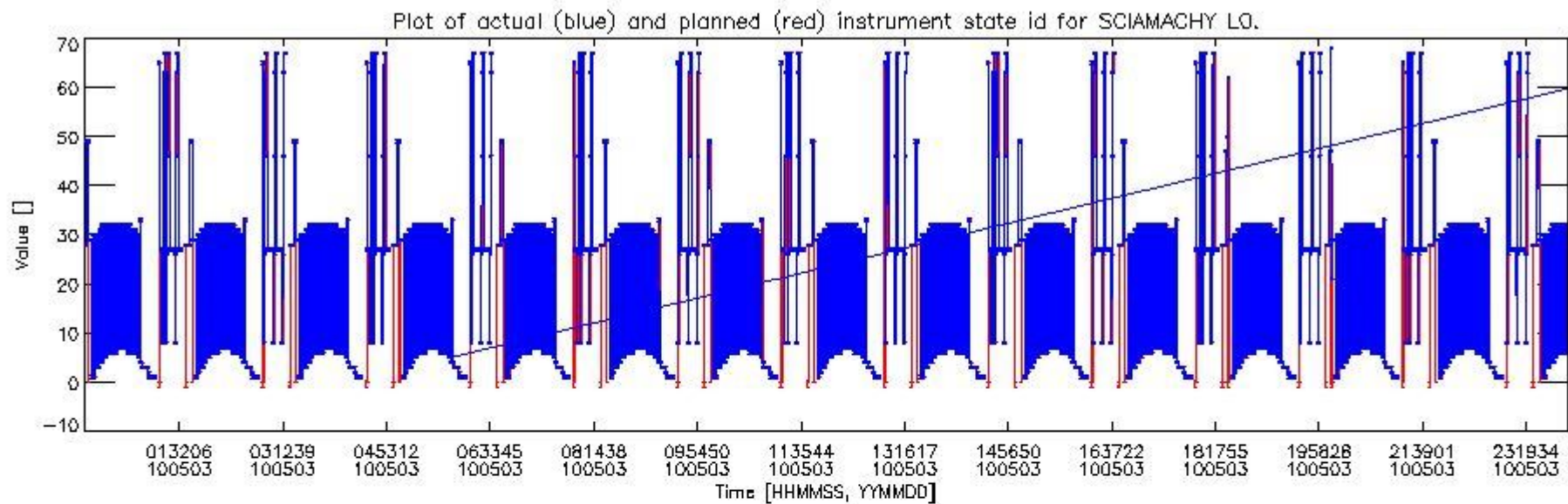


0.3 State monitoring

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: **40136**

#	Actual time	Actual value	Planned time	Planned value
0	03MAY2010 00:01:33.255178	49	03MAY2010 00:01:33.255178	28
1	03MAY2010 00:01:33.442678	49	03MAY2010 00:01:33.442678	28
2	03MAY2010 00:01:33.505178	49	03MAY2010 00:01:33.505178	28
3	03MAY2010 00:01:33.567678	49	03MAY2010 00:01:33.567678	28
4	03MAY2010 00:01:33.630178	49	03MAY2010 00:01:33.630178	28
5	03MAY2010 00:01:33.692678	49	03MAY2010 00:01:33.692678	28
6	03MAY2010 00:01:33.755178	49	03MAY2010 00:01:33.755178	28
7	03MAY2010 00:01:33.817678	49	03MAY2010 00:01:33.817678	28
8	03MAY2010 00:01:33.880178	49	03MAY2010 00:01:33.880178	28
9	03MAY2010 00:01:33.942678	49	03MAY2010 00:01:33.942678	28
10	03MAY2010 00:01:34.005178	49	03MAY2010 00:01:34.005178	28
11	03MAY2010 00:01:34.067678	49	03MAY2010 00:01:34.067678	28
12	03MAY2010 00:01:34.130178	49	03MAY2010 00:01:34.130178	28
13	03MAY2010 00:01:34.192678	49	03MAY2010 00:01:34.192678	28
14	03MAY2010 00:01:34.255178	49	03MAY2010 00:01:34.255178	28
15	03MAY2010 00:01:34.317678	49	03MAY2010 00:01:34.317678	28
16	03MAY2010 00:01:34.380178	49	03MAY2010 00:01:34.380178	28
17	03MAY2010 00:01:34.442678	49	03MAY2010 00:01:34.442678	28
18	03MAY2010 00:01:34.505178	49	03MAY2010 00:01:34.505178	28
19	03MAY2010 00:01:34.567678	49	03MAY2010 00:01:34.567678	28
...

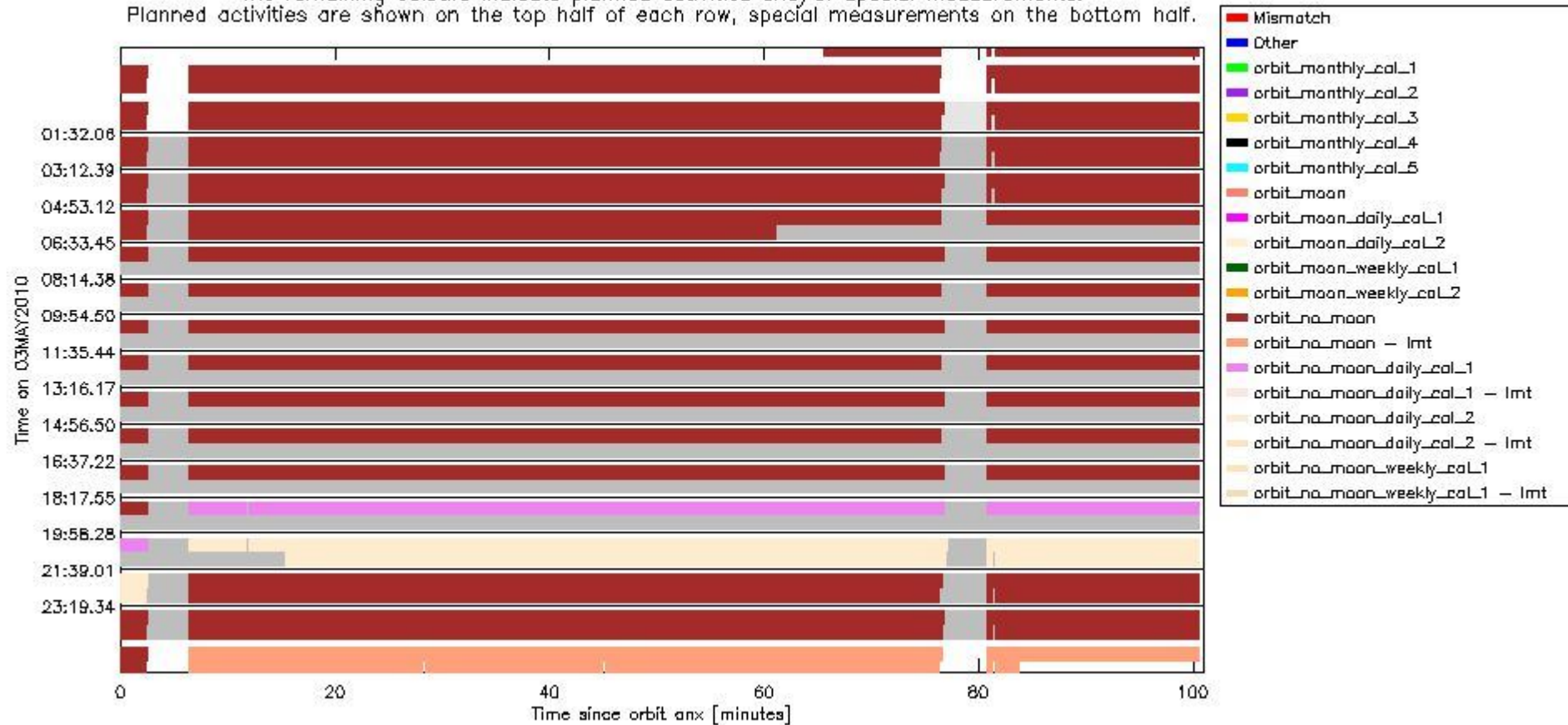


sciamachy_daily_report_level0_Any_version_20100503_5.PNG

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 Q3MAY2010.
 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_Any_version_20100503_6.PNG

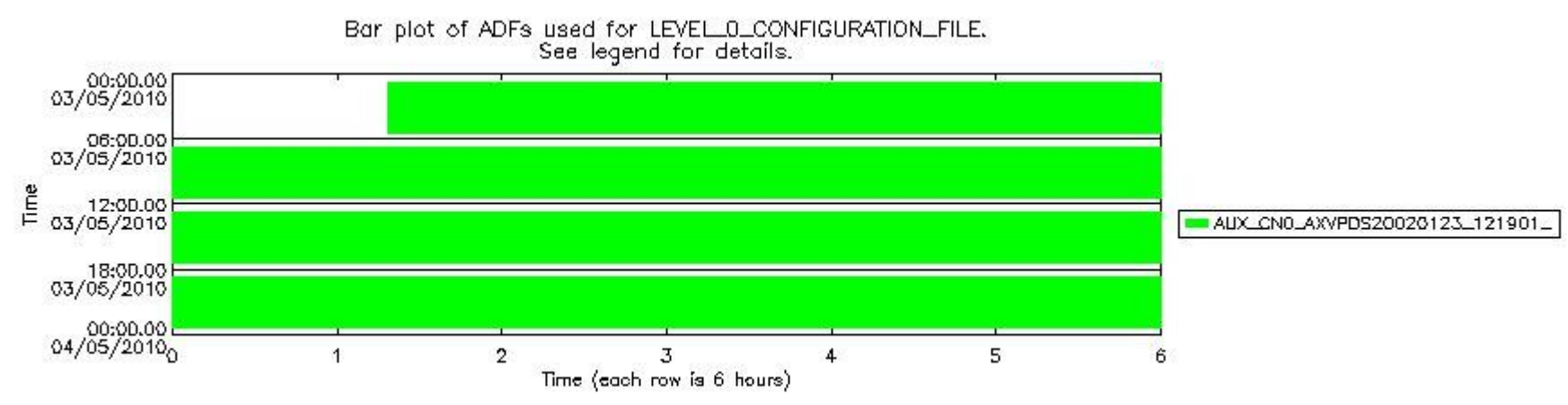
0.4 ADF monitoring

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

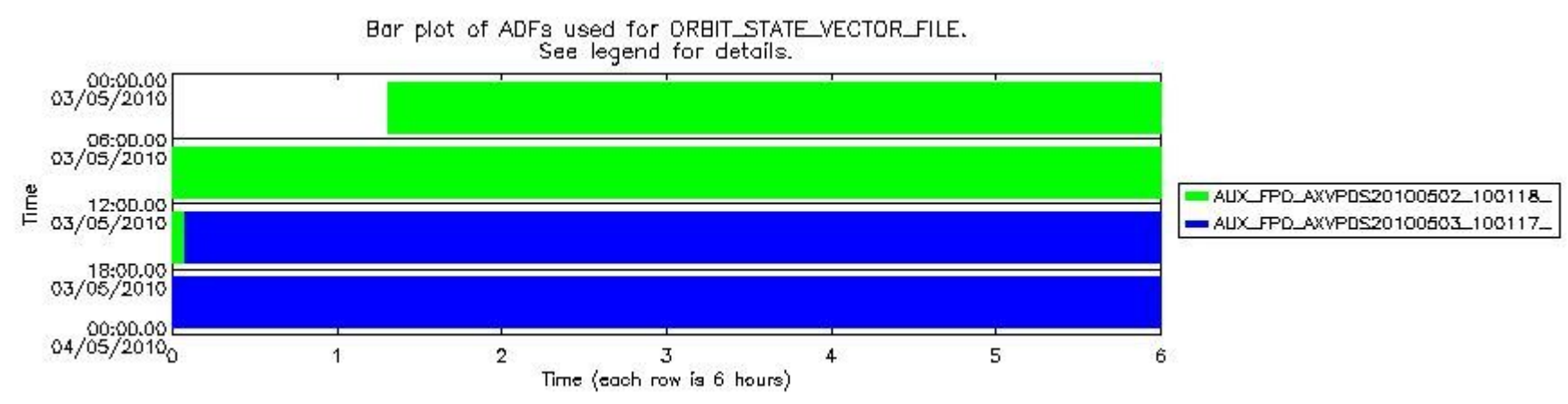
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

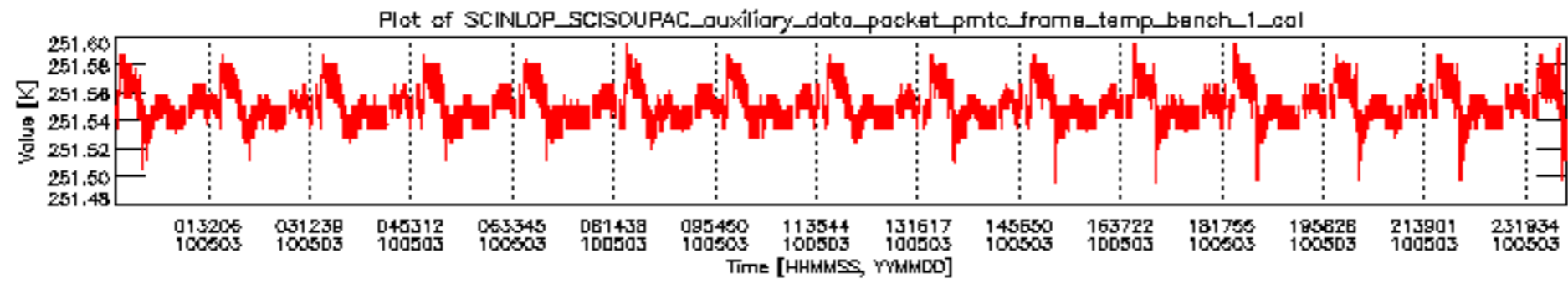
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20100502_100118_20100501_192114_20100511_204729
2	AUX_FPO_AXVPDS20100503_100117_20100502_184937_20100512_201552

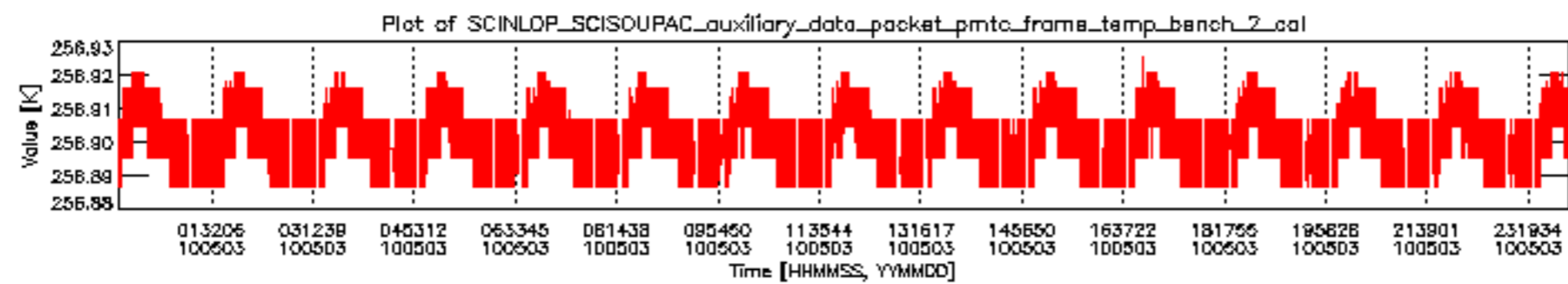


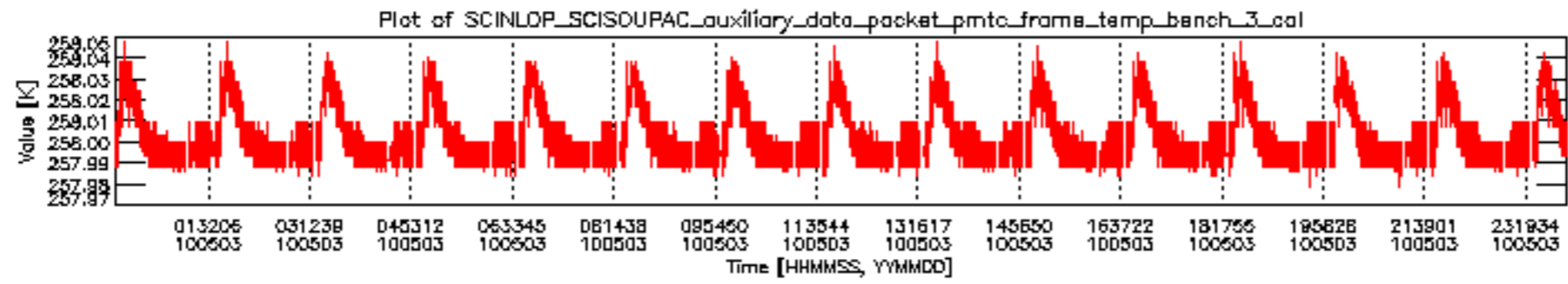
sciamachy_daily_report_level0_Any_version_20100503_7.PNG

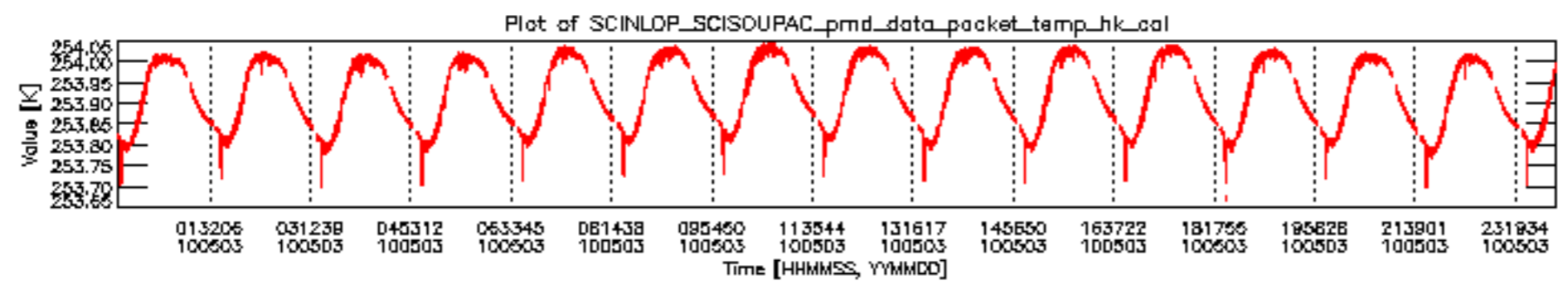


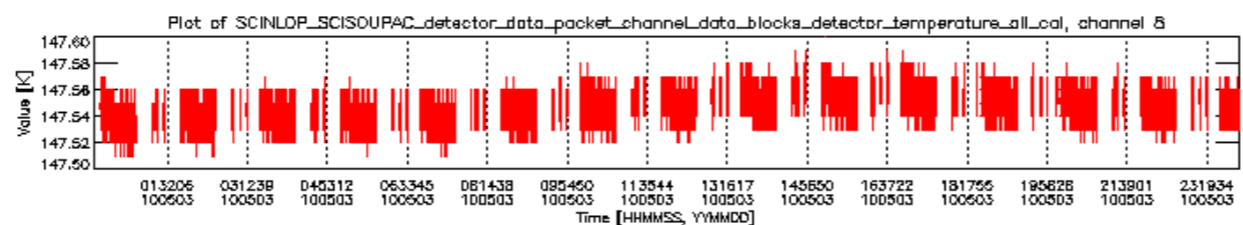
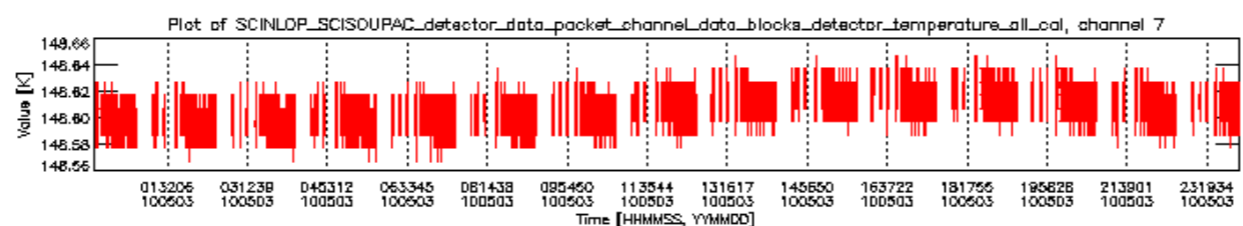
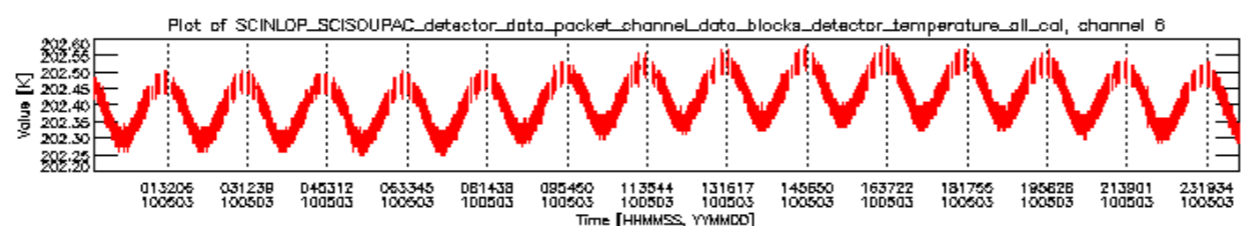
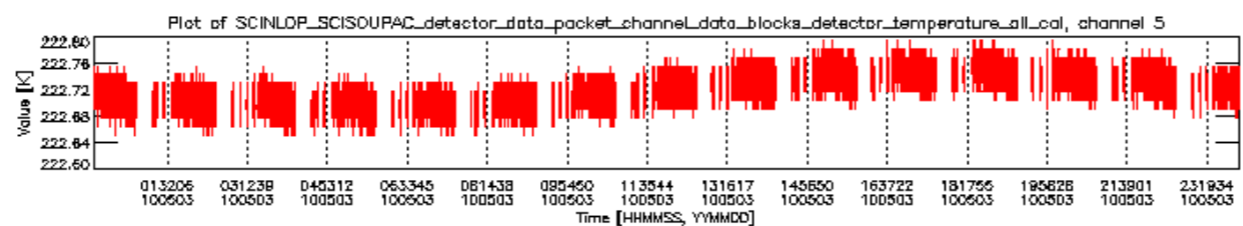
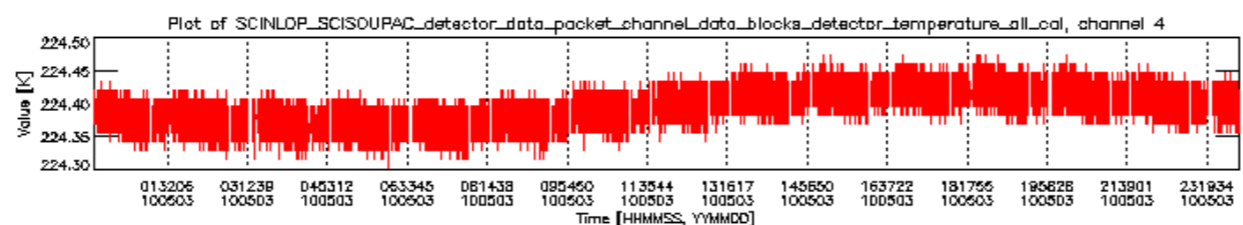
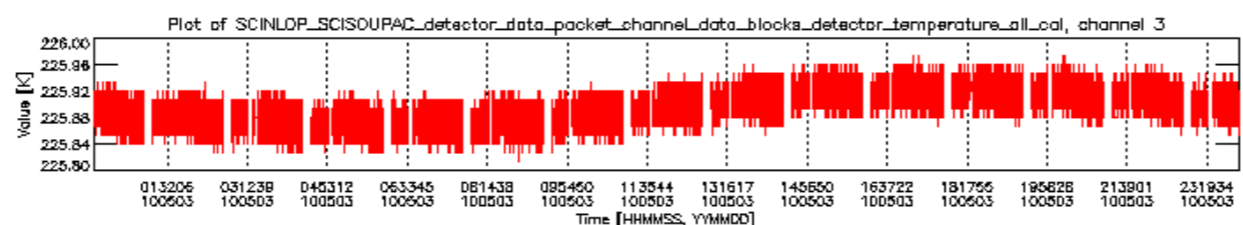
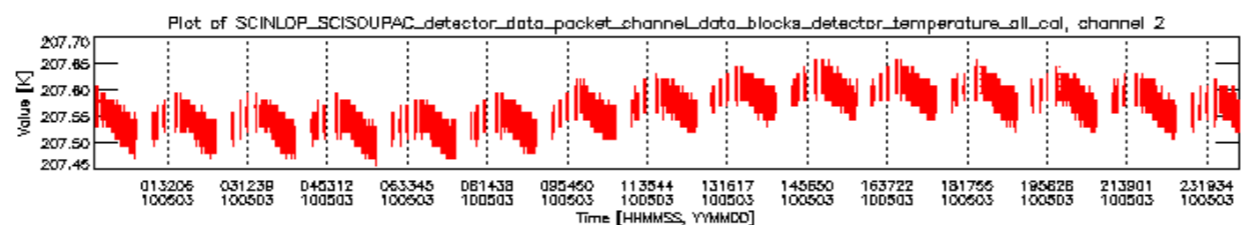
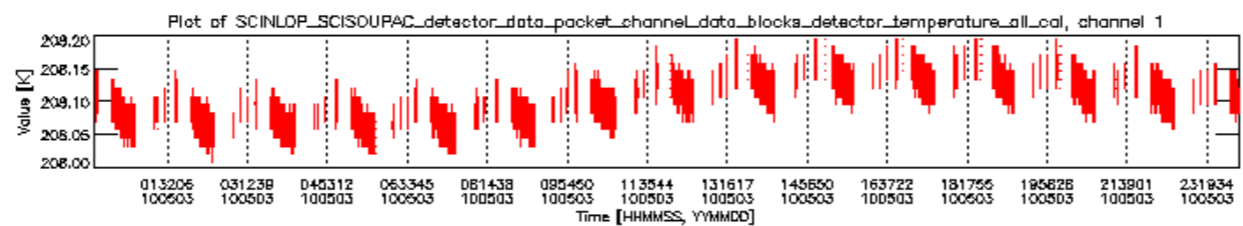
sciamachy_daily_report_level0_Any_version_20100503_8.PNG

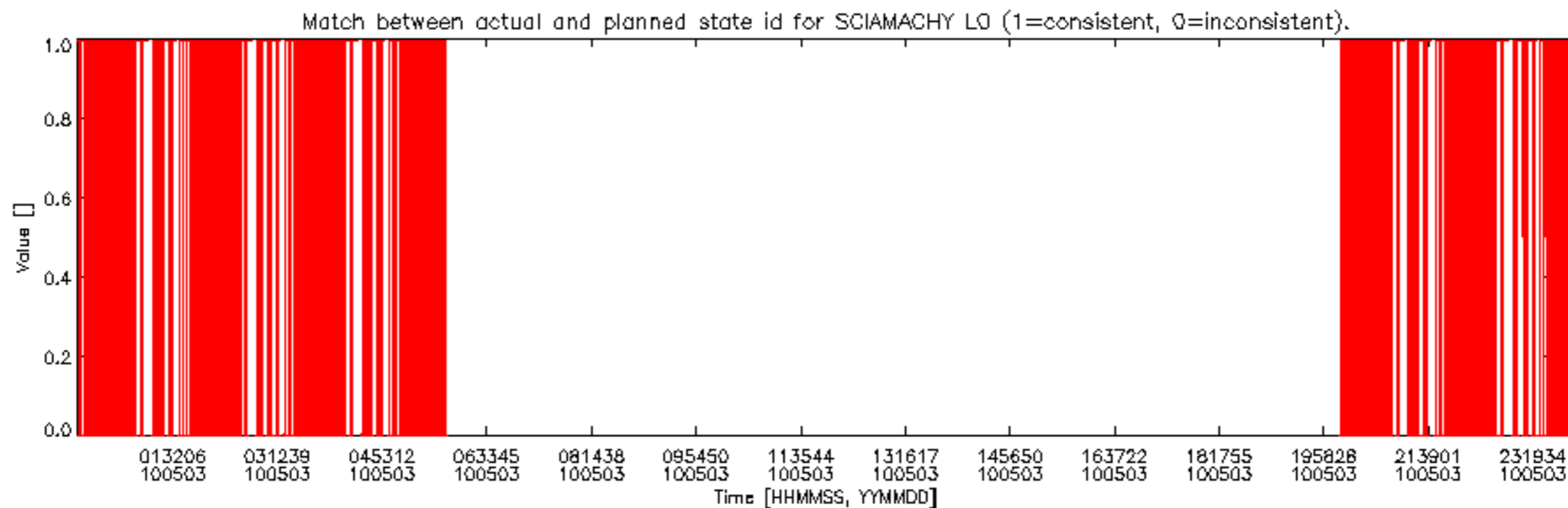
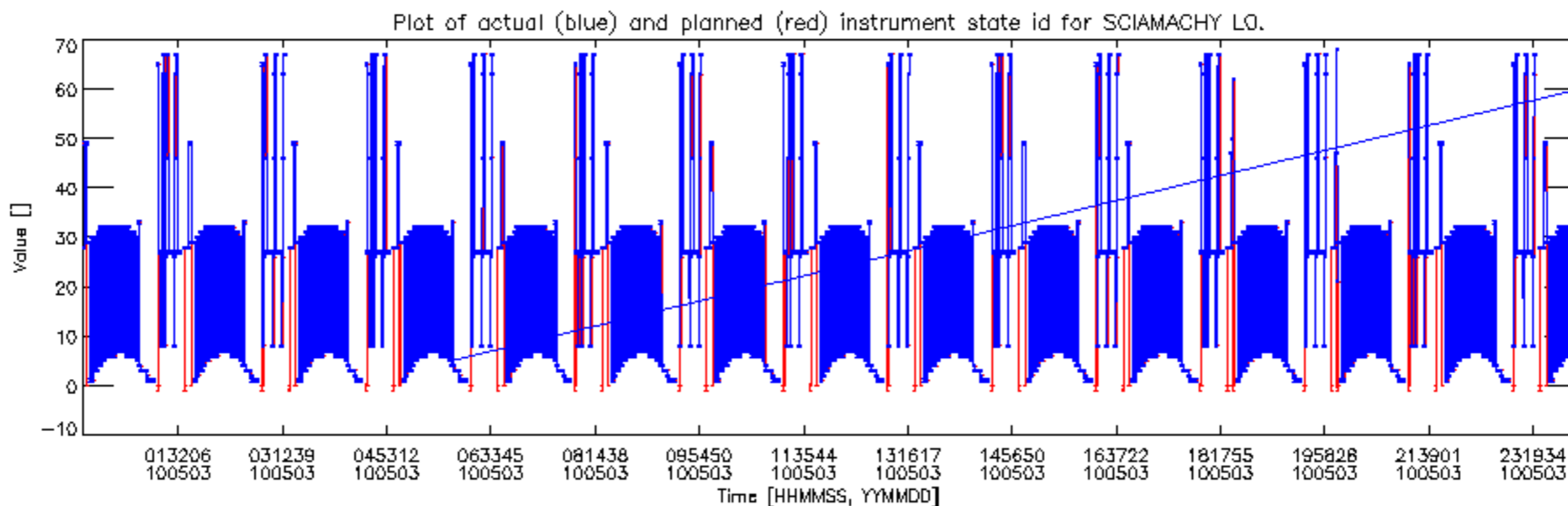












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 03MAY2010.
 A medium gray color indicates the time span of available SCINL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

