

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	18MAY2010 02:33:00
Data source version	<Any version>
Processing scope for products	11MAY2010 00:00:00 to 12MAY2010 00:00:00
Start time of first product within scope	11MAY2010 00:27:46
Stop time of last product within scope	12MAY2010 01:35:09
Total number of Level 0 products	16
Number of Level 0 products with errors	0

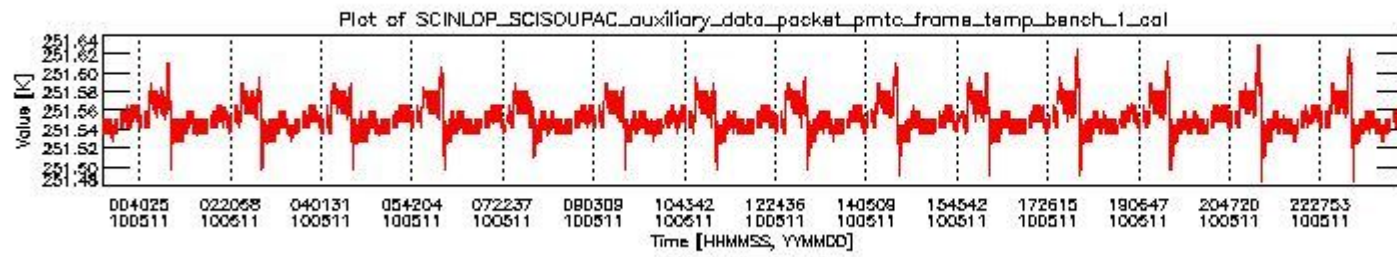
0.1.2 Summary per product

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

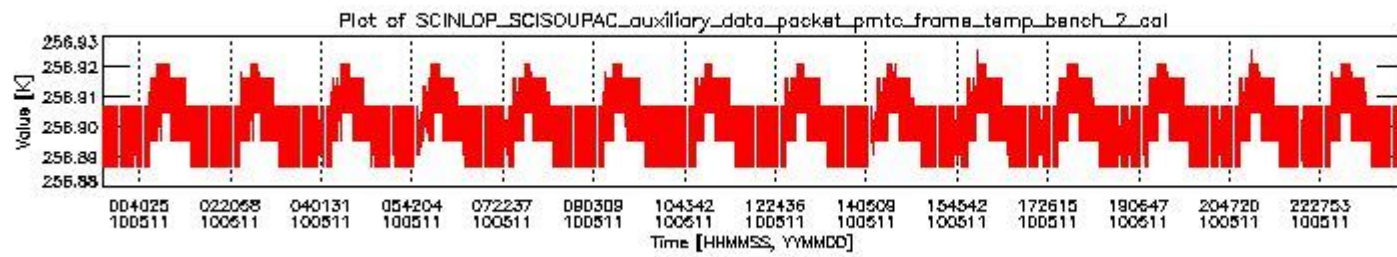
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20100511_002746_000058572089_00202_42841_1428.N1	11MAY2010 00:27:46	11MAY2010 02:05:23	0	0	0	0	0
1	SCI_NL__OPNPDE20100511_020315_000046172089_00203_42842_1429.N1	11MAY2010 02:03:15	11MAY2010 03:20:13	0	0	0	0	0
2	SCI_NL__OPNPDE20100511_032013_000061472089_00204_42843_1430.N1	11MAY2010 03:20:13	11MAY2010 05:02:40	0	0	0	0	0
3	SCI_NL__OPNPDE20100511_050144_000060362089_00205_42844_1431.N1	11MAY2010 05:01:44	11MAY2010 06:42:20	0	0	0	0	0
4	SCI_NL__OPNPDK20100511_064220_000040452089_00206_42845_1367.N1	11MAY2010 06:42:20	11MAY2010 07:49:45	0	0	0	0	0
5	SCI_NL__OPNPDK20100511_074836_000061732089_00207_42846_1368.N1	11MAY2010 07:48:36	11MAY2010 09:31:29	0	0	0	0	0
6	SCI_NL__OPNPDK20100511_093129_000059672089_00208_42847_1369.N1	11MAY2010 09:31:29	11MAY2010 11:10:56	0	0	0	0	0
7	SCI_NL__OPNPDK20100511_110948_000060482089_00209_42848_1370.N1	11MAY2010 11:09:48	11MAY2010 12:50:36	0	0	0	0	0
8	SCI_NL__OPNPDK20100511_125036_000058982089_00210_42849_1371.N1	11MAY2010 12:50:36	11MAY2010 14:28:54	0	0	0	0	0
9	SCI_NL__OPNPDK20100511_142854_000058002089_00211_42850_1372.N1	11MAY2010 14:28:54	11MAY2010 16:05:34	0	0	0	0	0
10	SCI_NL__OPNPDK20100511_160425_000059832089_00212_42851_1373.N1	11MAY2010 16:04:25	11MAY2010 17:44:08	0	0	0	0	0
11	SCI_NL__OPNPDK20100511_174204_000060482089_00213_42852_1374.N1	11MAY2010 17:42:04	11MAY2010 19:22:52	0	0	0	0	0
12	SCI_NL__OPNPDK20100511_192144_000061442089_00214_42853_1375.N1	11MAY2010 19:21:44	11MAY2010 21:04:08	0	0	0	0	0
13	SCI_NL__OPNPDE20100511_210300_000043912089_00215_42854_1432.N1	11MAY2010 21:03:00	11MAY2010 22:16:11	0	0	0	0	0
14	SCI_NL__OPNPDE20100511_221442_000060822089_00215_42854_1433.N1	11MAY2010 22:14:42	11MAY2010 23:56:05	0	0	0	0	0
15	SCI_NL__OPNPDE20100511_235434_000060362089_00216_42855_1434.N1	11MAY2010 23:54:34	12MAY2010 01:35:09	0	0	0	0	0

0.2 Product Quality Indicators

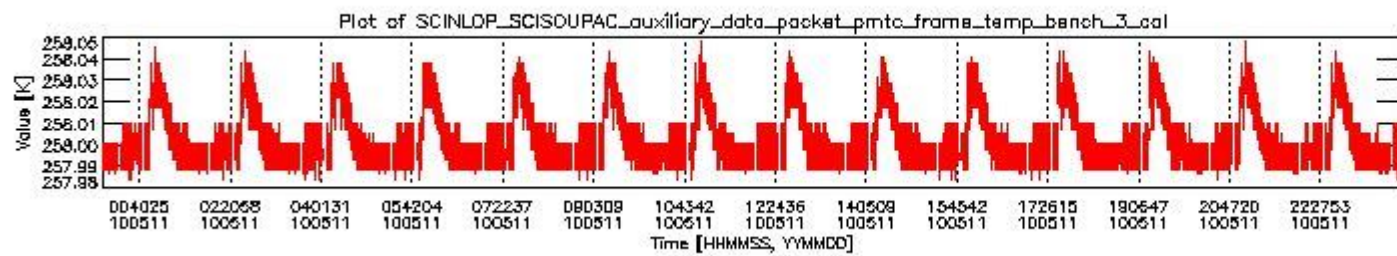
This section shows information about product quality, currently temperatures.



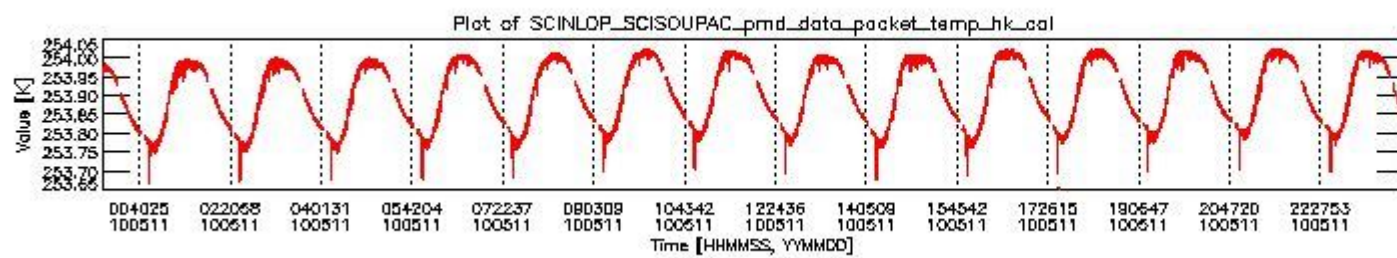
sciamachy_daily_report_level0_Any_version_20100511_0.PNG



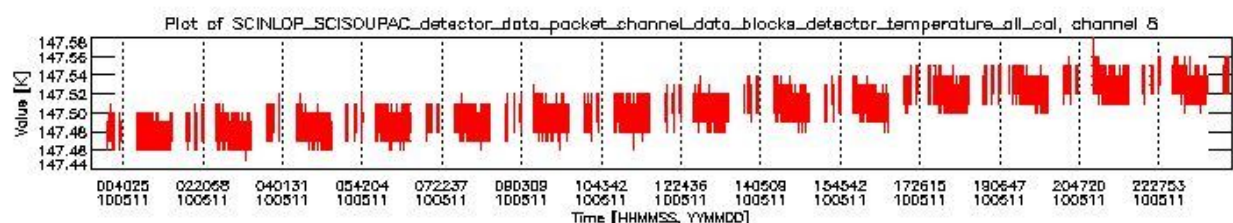
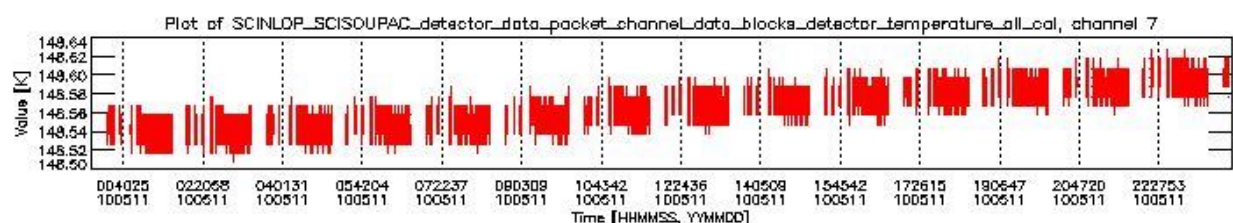
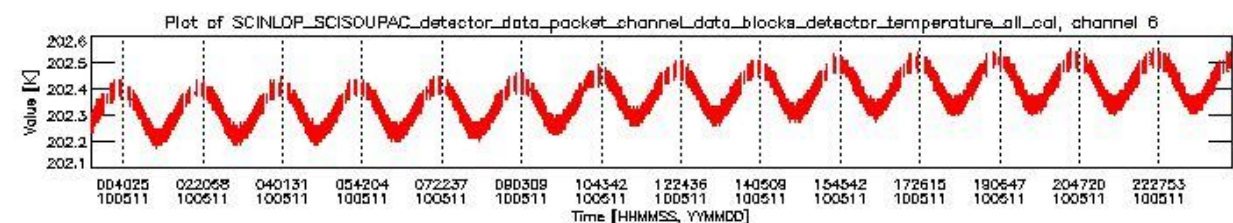
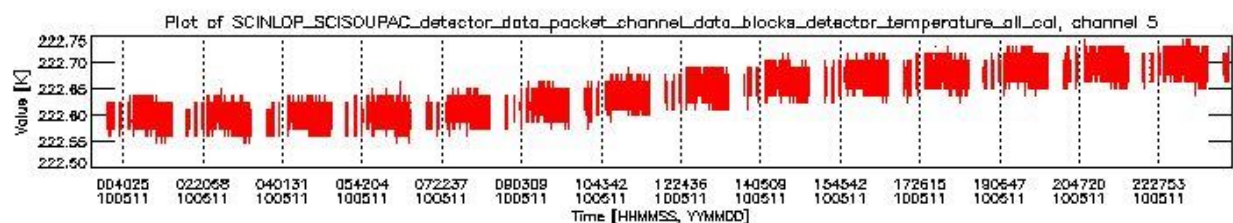
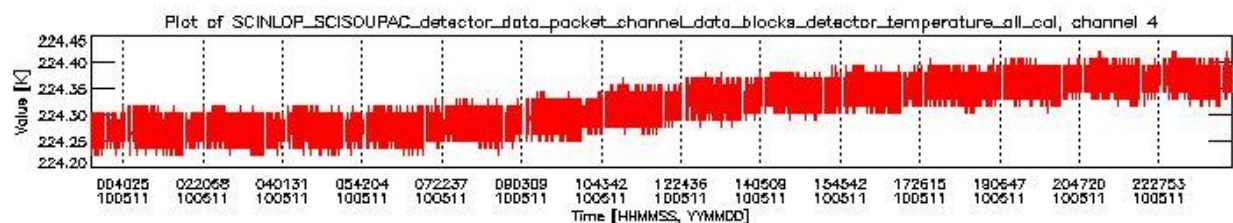
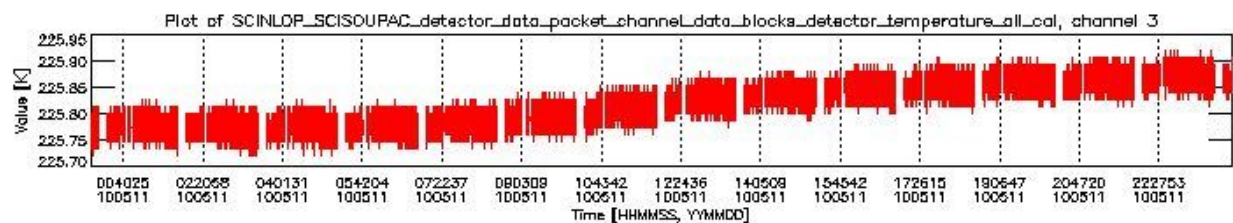
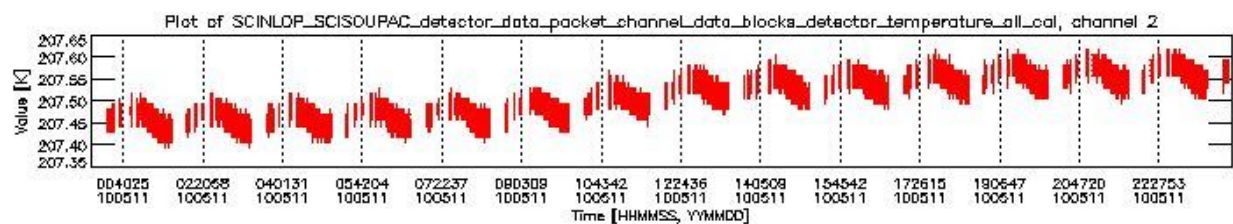
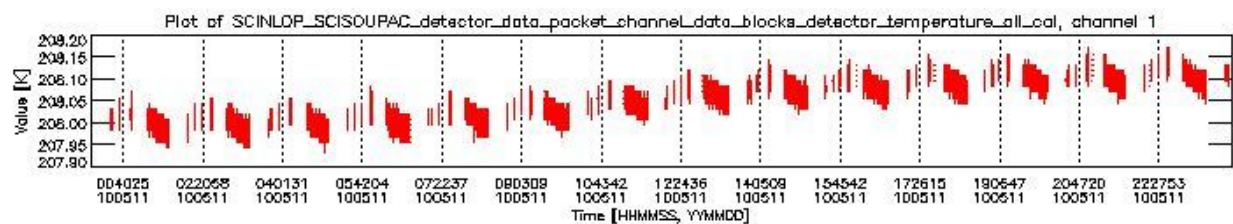
sciamachy_daily_report_level0_Any_version_20100511_1.PNG



sciamachy_daily_report_level0_Any_version_20100511_2.PNG



sciamachy_daily_report_level0_Any_version_20100511_3.PNG

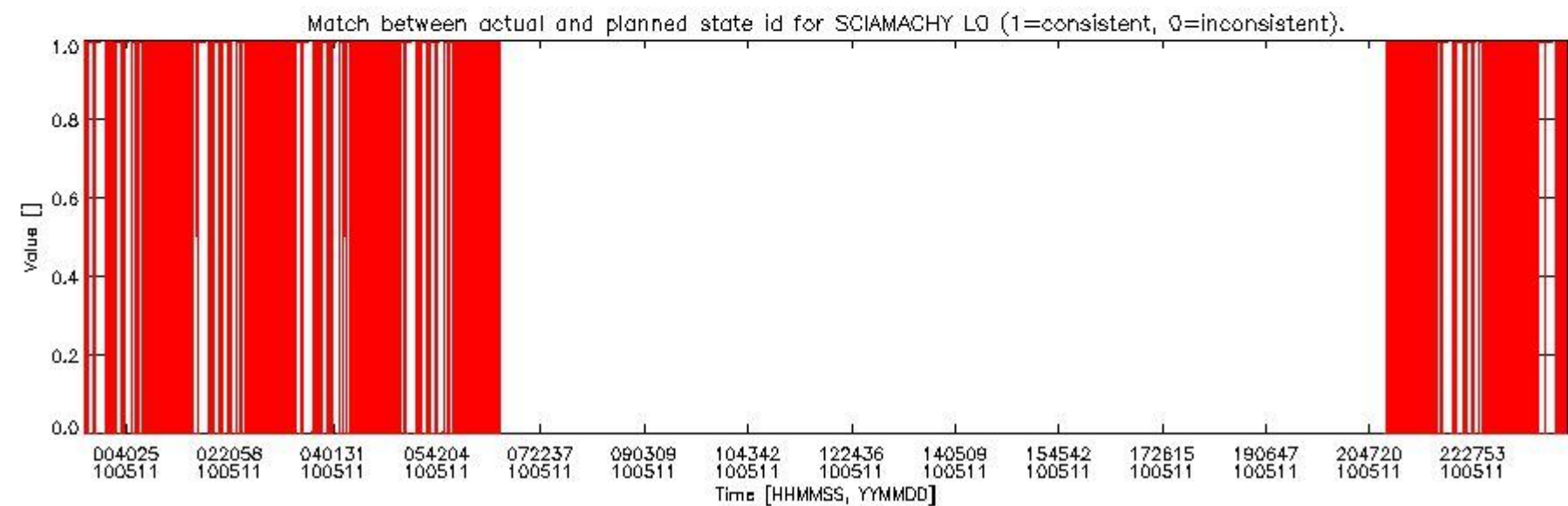
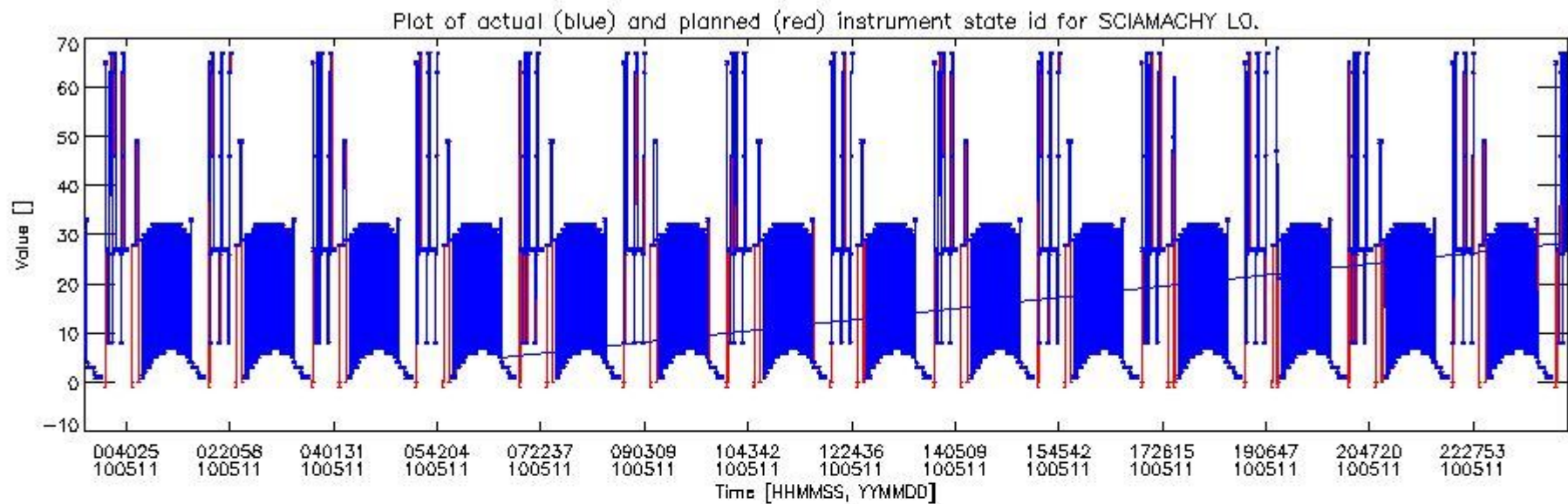


0.3 State monitoring

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: **38842**

#	Actual time	Actual value	Planned time	Planned value
0	11MAY2010 00:00:00.095380	5	11MAY2010 00:00:00.095380	30
1	11MAY2010 00:00:00.220380	5	11MAY2010 00:00:00.220380	30
2	11MAY2010 00:00:00.345380	5	11MAY2010 00:00:00.345380	30
3	11MAY2010 00:00:00.470380	5	11MAY2010 00:00:00.470380	30
4	11MAY2010 00:00:00.595380	5	11MAY2010 00:00:00.595380	30
5	11MAY2010 00:00:00.720380	5	11MAY2010 00:00:00.720380	30
6	11MAY2010 00:00:00.845380	5	11MAY2010 00:00:00.845380	30
7	11MAY2010 00:00:00.970380	5	11MAY2010 00:00:00.970380	30
8	11MAY2010 00:00:01.095380	5	11MAY2010 00:00:01.095380	30
9	11MAY2010 00:00:01.220380	5	11MAY2010 00:00:01.220380	30
10	11MAY2010 00:00:01.345380	5	11MAY2010 00:00:01.345380	30
11	11MAY2010 00:00:01.470380	5	11MAY2010 00:00:01.470380	30
12	11MAY2010 00:00:01.595380	5	11MAY2010 00:00:01.595380	30
13	11MAY2010 00:00:01.720380	5	11MAY2010 00:00:01.720380	30
14	11MAY2010 00:00:01.845380	5	11MAY2010 00:00:01.845380	30
15	11MAY2010 00:00:01.970380	5	11MAY2010 00:00:01.970380	30
16	11MAY2010 00:00:02.095380	5	11MAY2010 00:00:02.095380	30
17	11MAY2010 00:00:02.220380	5	11MAY2010 00:00:02.220380	30
18	11MAY2010 00:00:02.345380	5	11MAY2010 00:00:02.345380	30
19	11MAY2010 00:00:02.470380	5	11MAY2010 00:00:02.470380	30

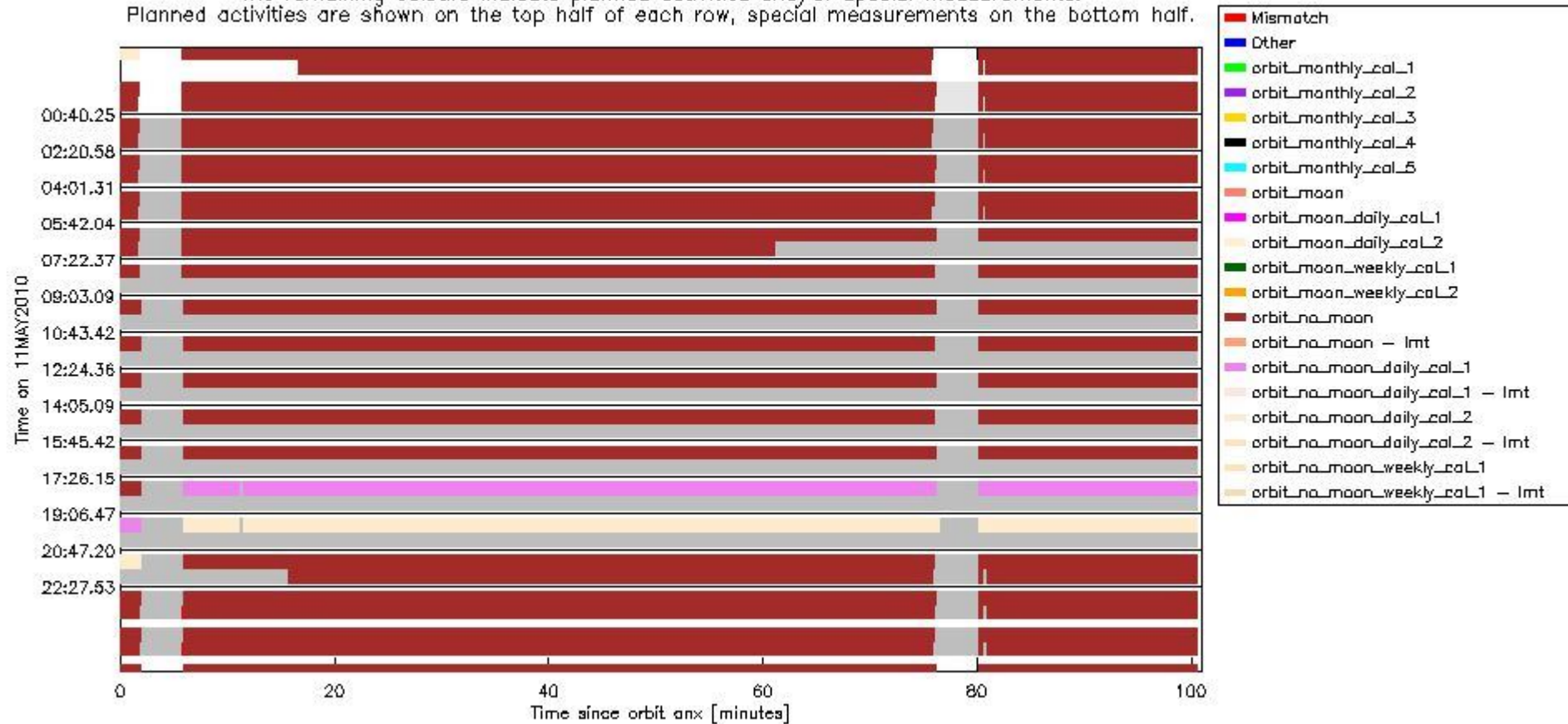


sciamachy_daily_report_level0_Any_version_20100511_5.PNG

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 11MAY2010.
 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_20100511_6.PNG

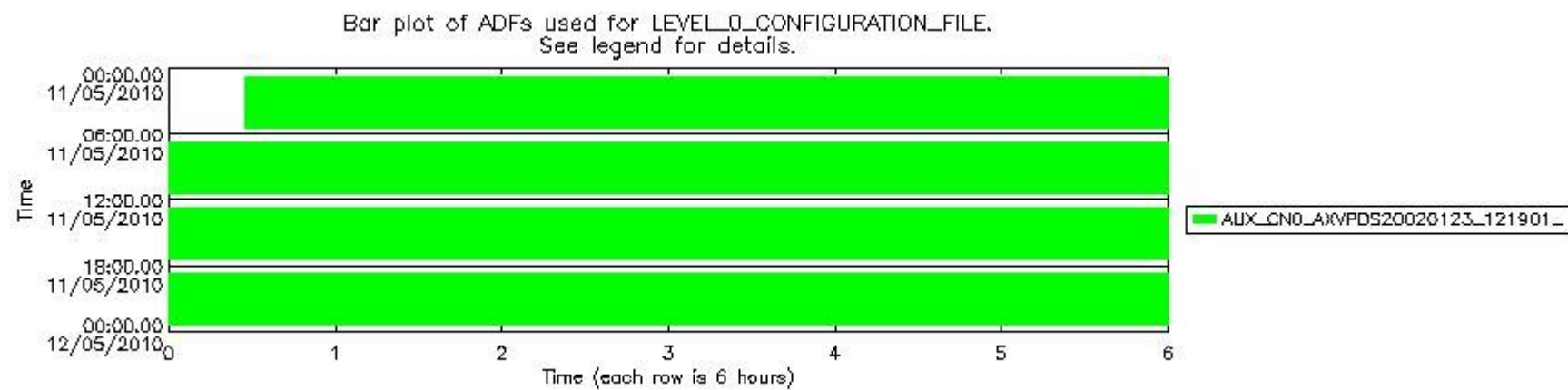
0.4 ADF monitoring

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

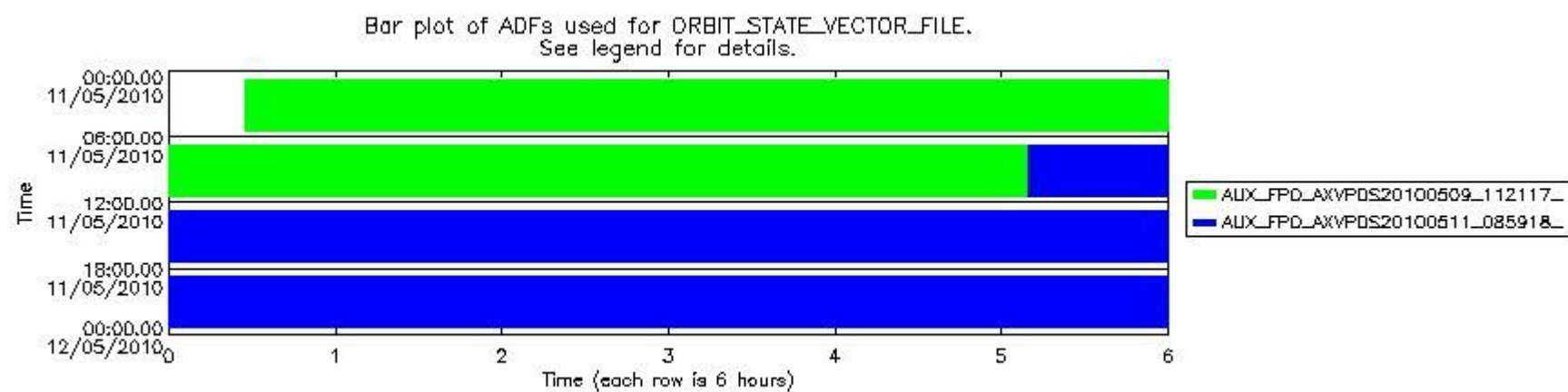
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

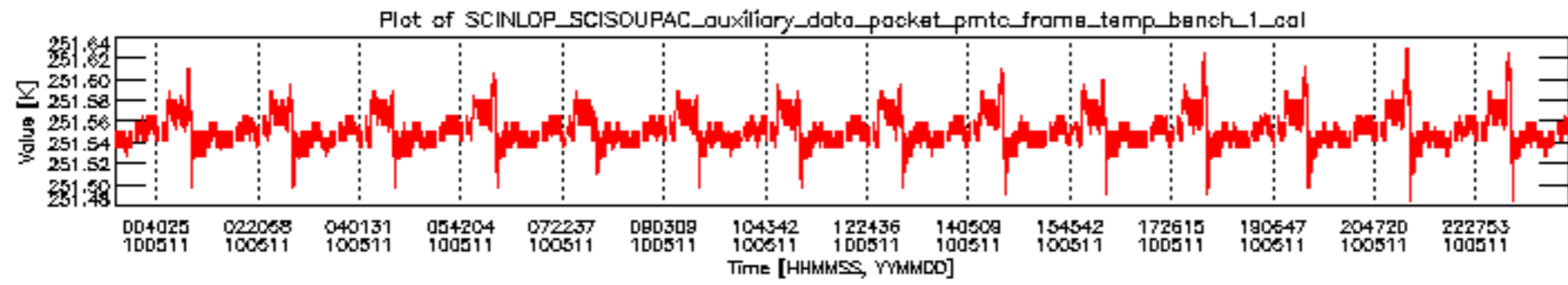
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20100509_112117_20100508_190107_20100518_202721
2	AUX_FPO_AXVPDS20100511_085918_20100508_190107_20100518_202721

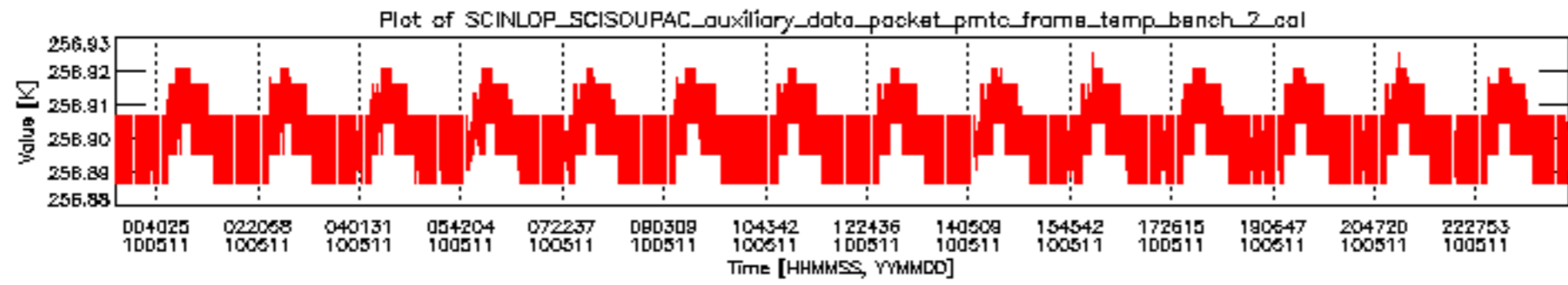


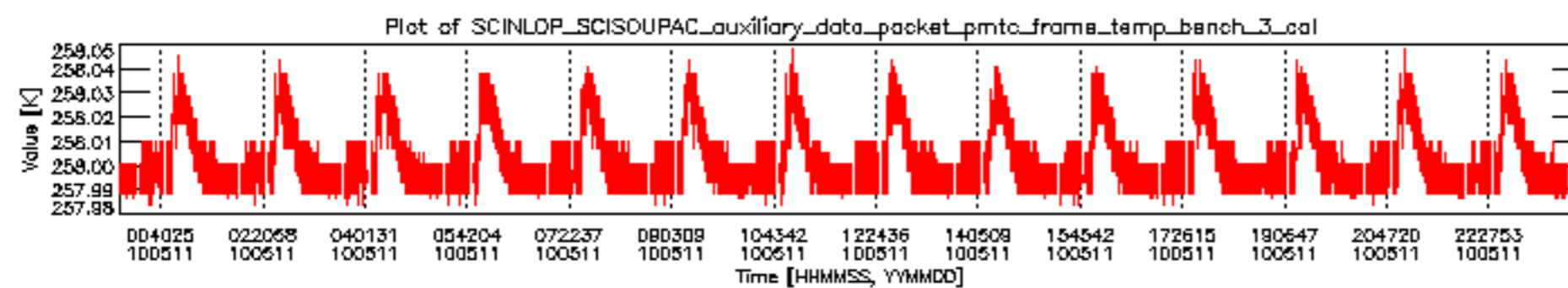
sciamachy_daily_report_level0_Any_version_20100511_7.PNG

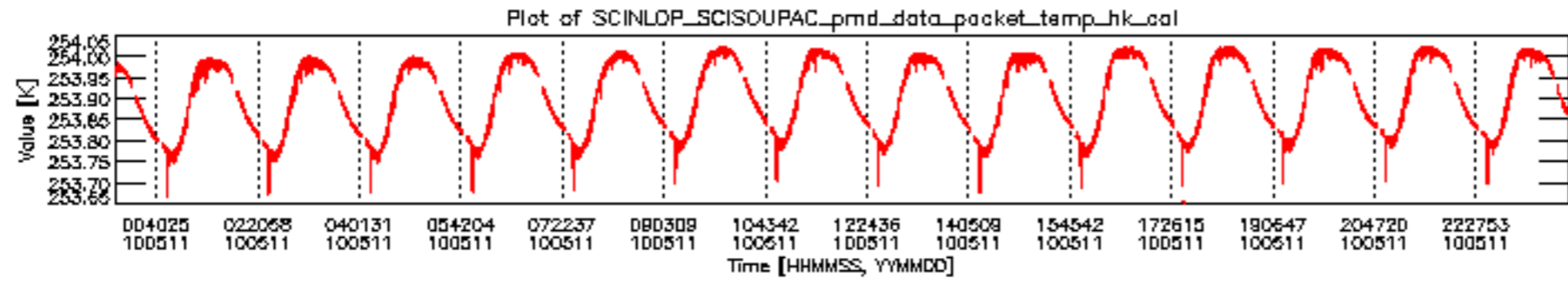


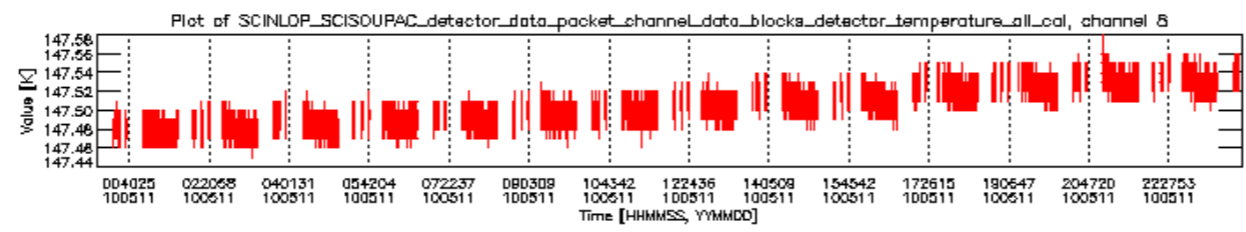
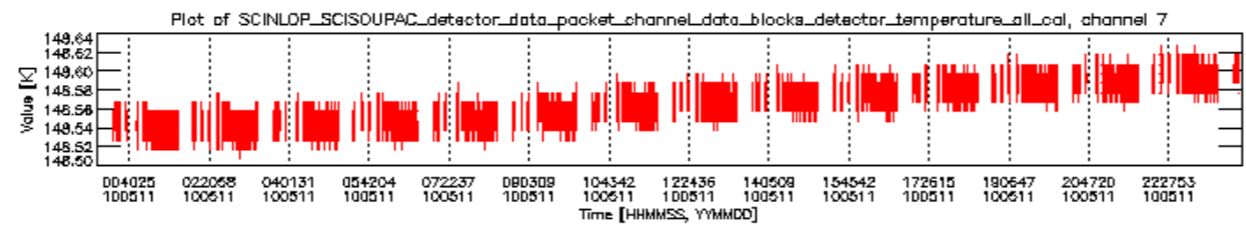
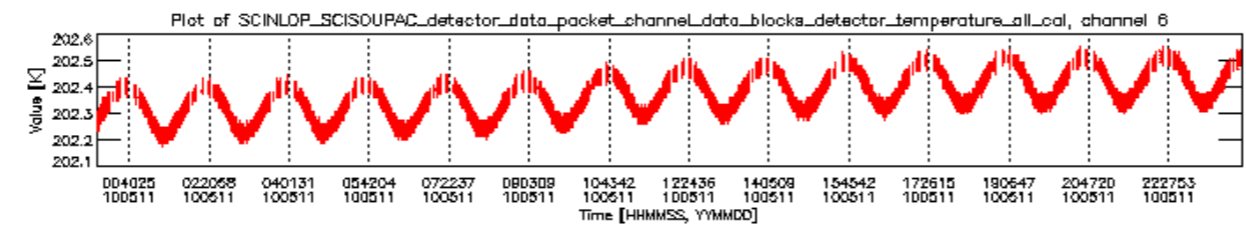
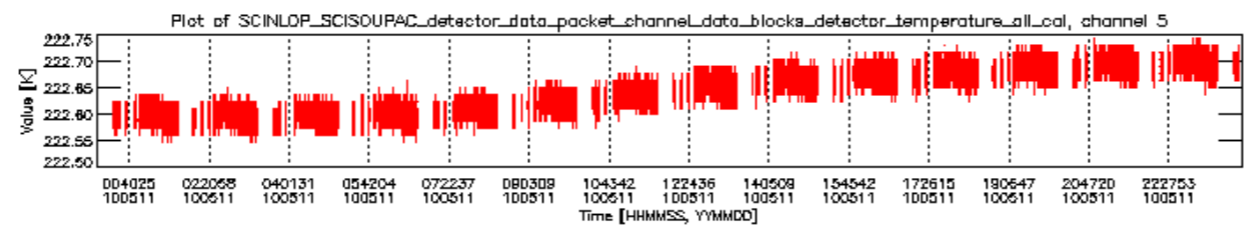
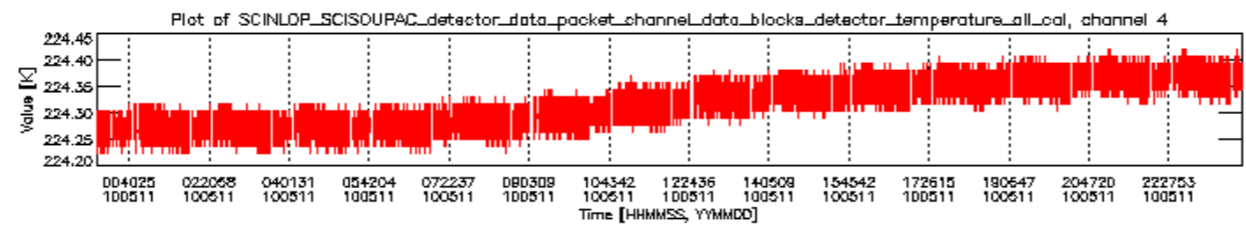
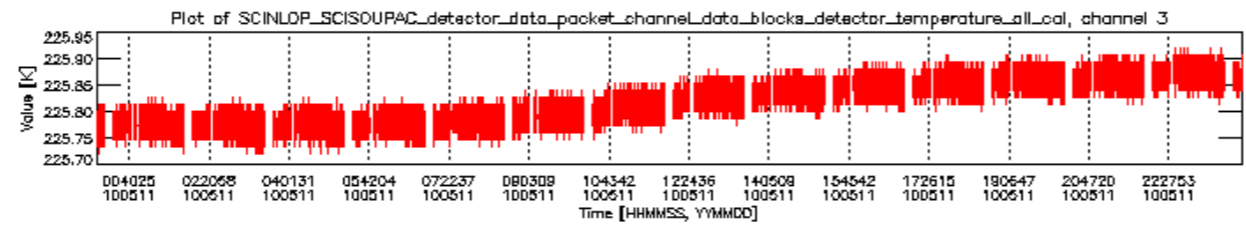
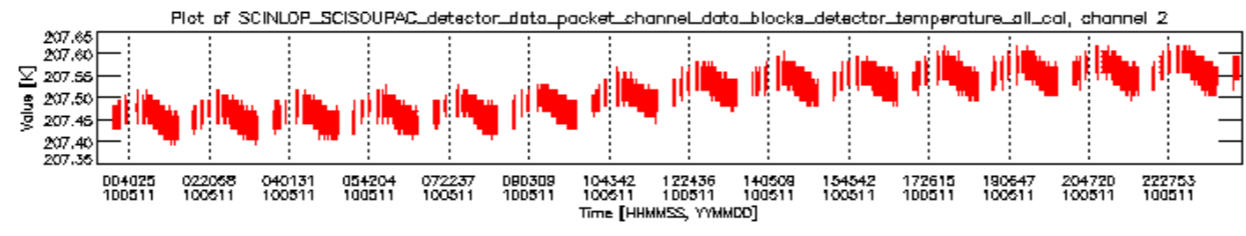
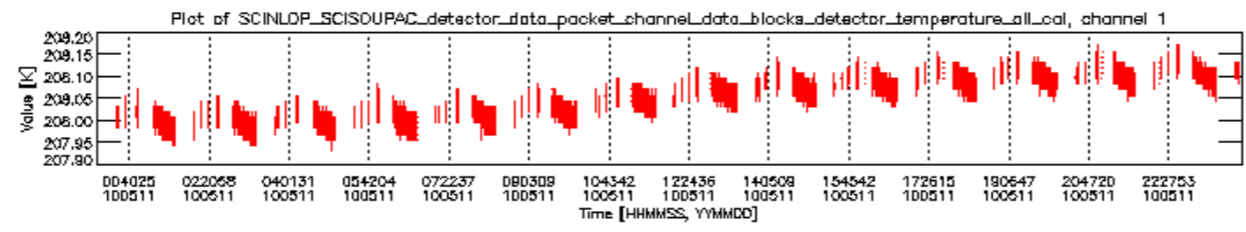
sciamachy_daily_report_level0_Any_version_20100511_8.PNG

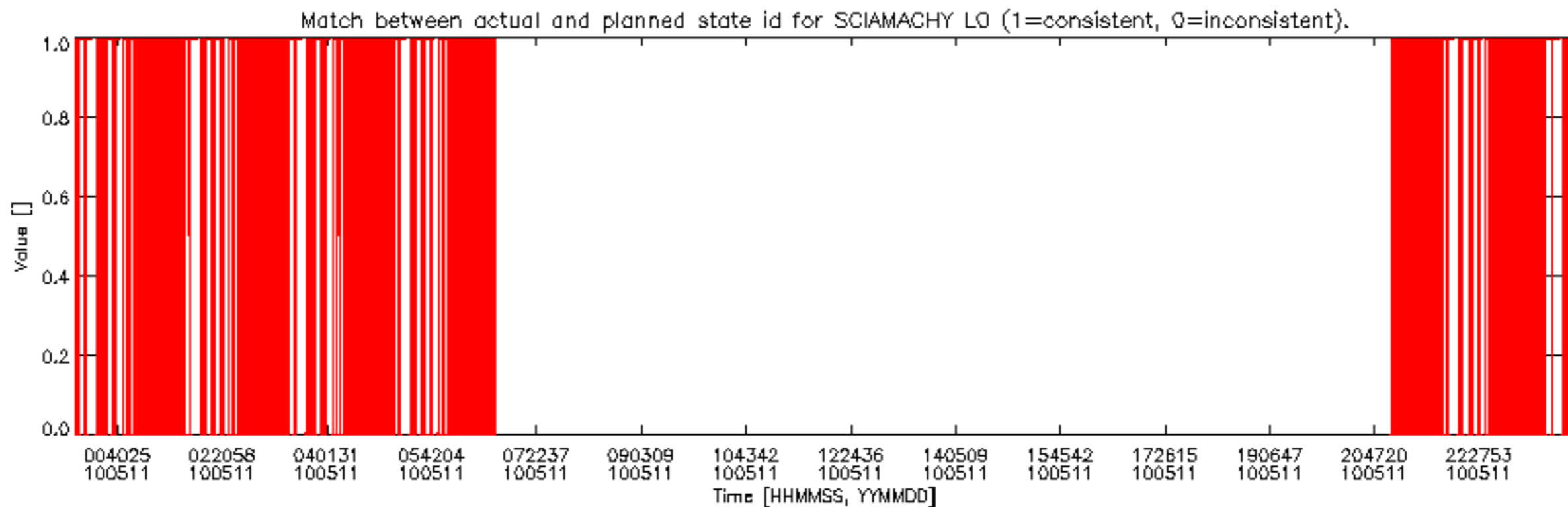
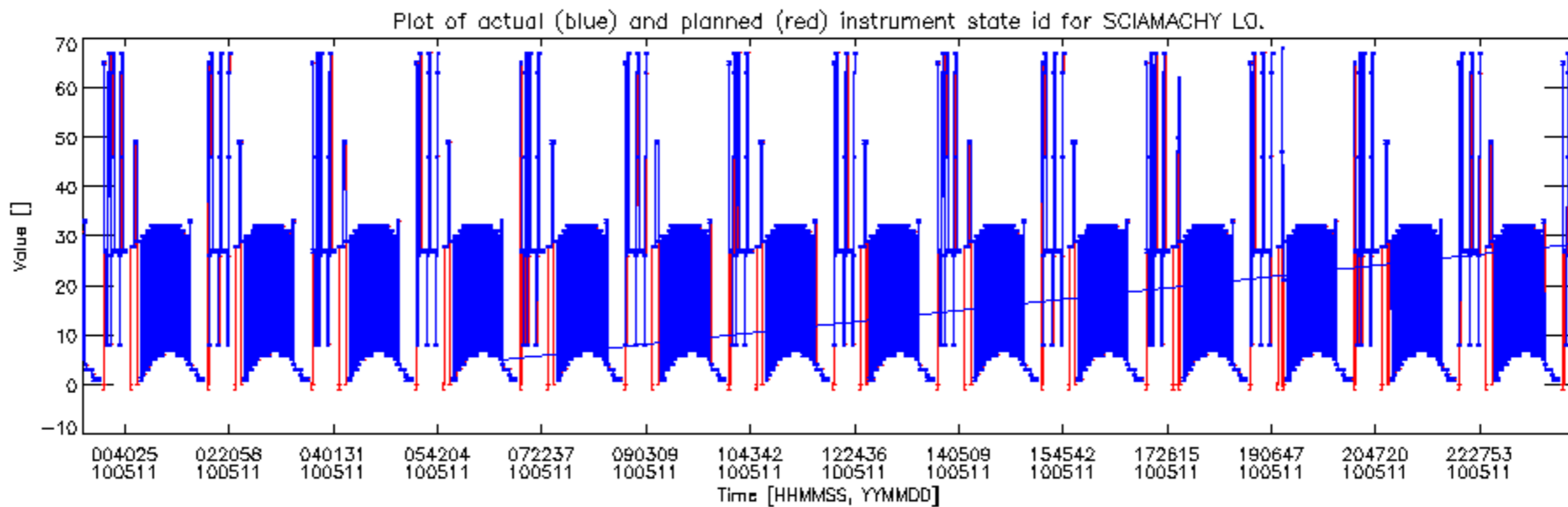












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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