

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	28NOV2006 07:32:32
Data source version	PFHS/5.37-N
Processing scope for products	24NOV2006 00:00:00 to 25NOV2006 00:00:00
Start time of first product within scope	24NOV2006 10:00:27
Stop time of last product within scope	24NOV2006 19:45:43
Total number of level 0 products	6
Number of level 0 products with errors	6

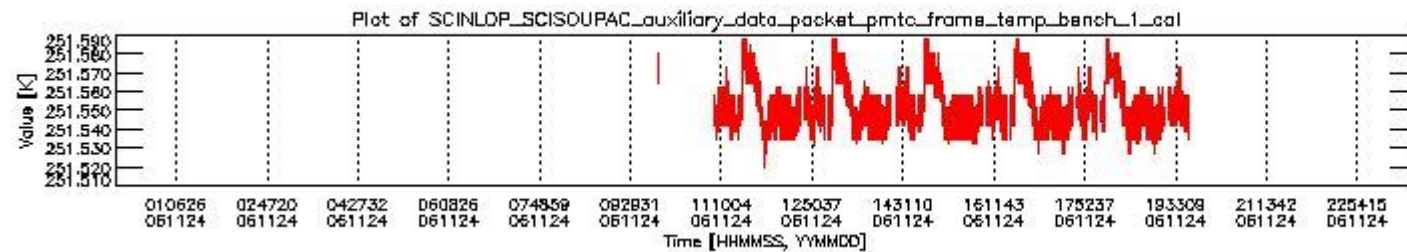
0.1.2 Summary per product

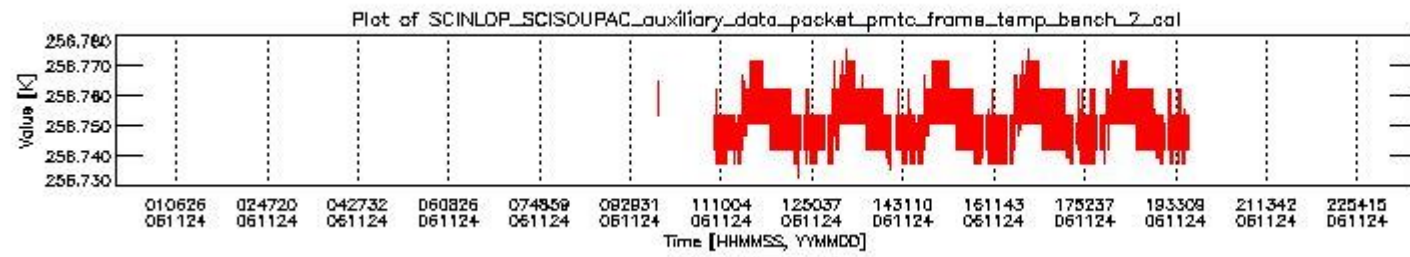
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20061124_100027_000057552053_00151_24754_1470.N1	24NOV2006 10:00:27	24NOV2006 11:36:23	1	0	1	0	0
1	SCI_NL__0PNPDK20061124_113527_000059802053_00152_24755_1471.N1	24NOV2006 11:35:27	24NOV2006 13:15:07	1	0	1	0	0
2	SCI_NL__0PNPDK20061124_131411_000058982053_00153_24756_1472.N1	24NOV2006 13:14:11	24NOV2006 14:52:29	1	0	1	0	0
3	SCI_NL__0PNPDK20061124_145229_000059232053_00154_24757_1473.N1	24NOV2006 14:52:29	24NOV2006 16:31:13	1	0	1	0	0
4	SCI_NL__0PNPDK20061124_162921_000057852053_00155_24758_1474.N1	24NOV2006 16:29:21	24NOV2006 18:05:47	1	0	1	0	0
5	SCI_NL__0PNPDK20061124_180957_000057452053_00156_24759_1475.N1	24NOV2006 18:09:57	24NOV2006 19:45:43	1	0	1	0	0

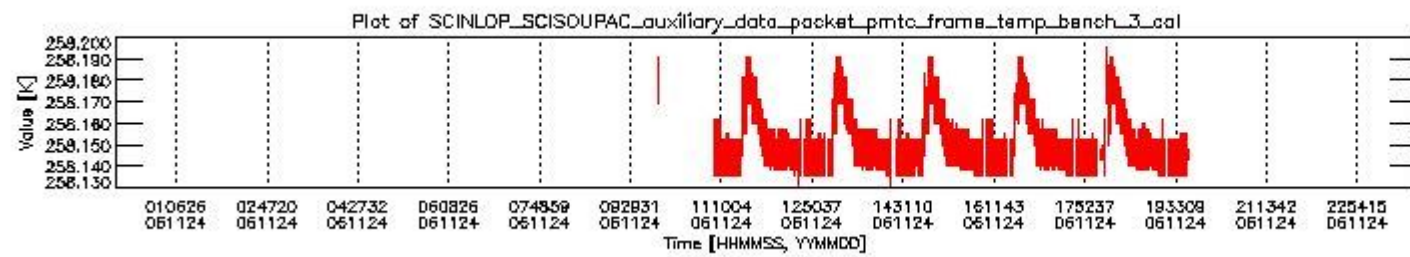
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

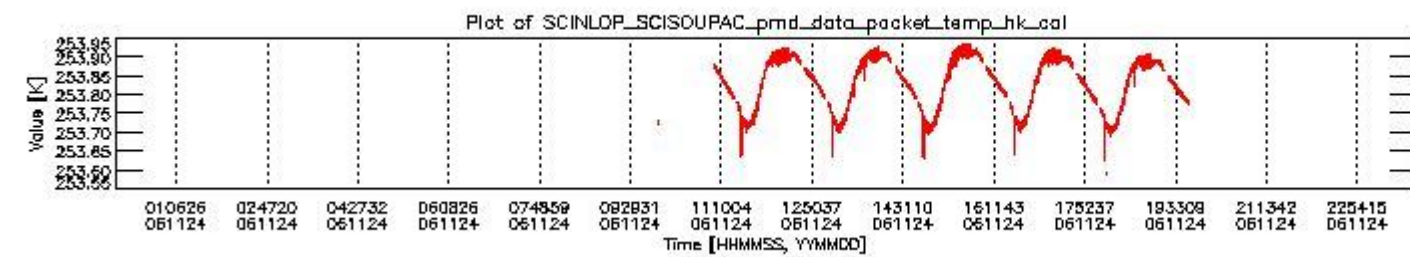




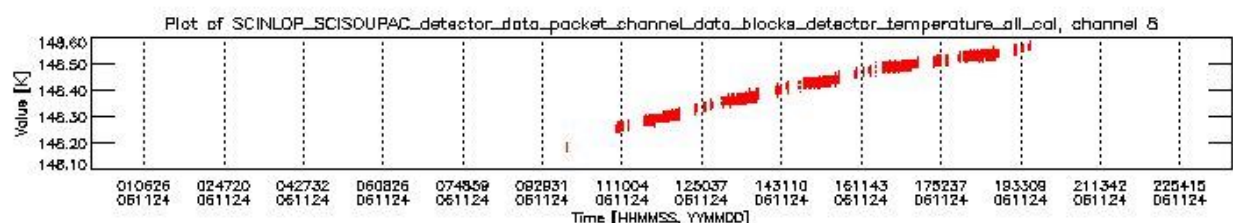
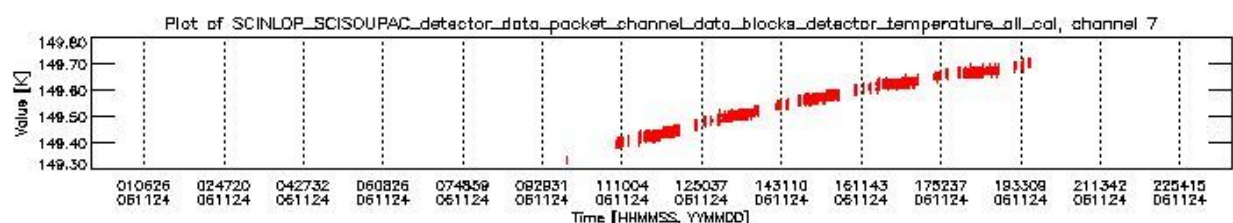
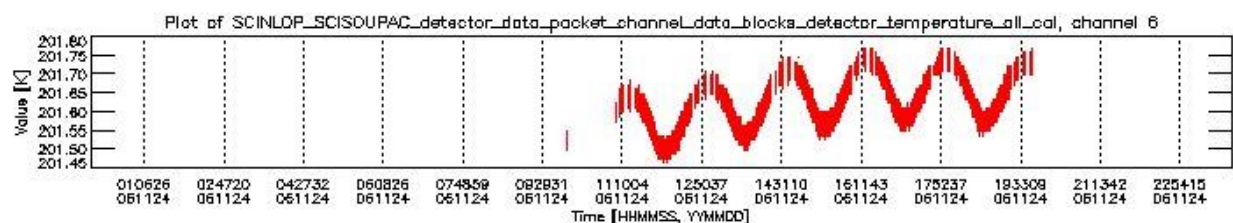
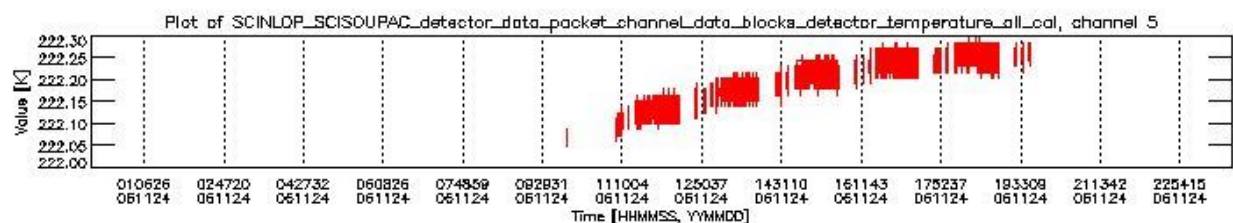
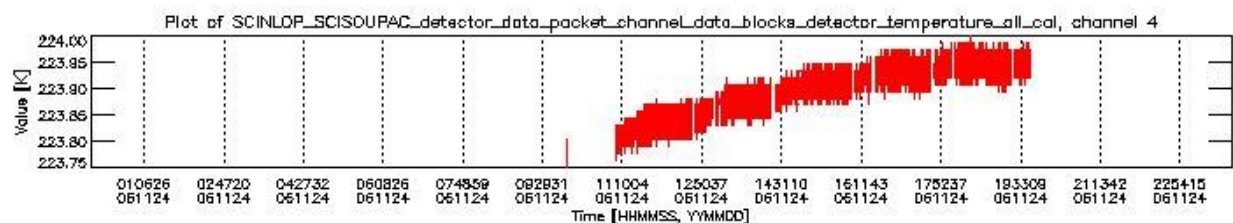
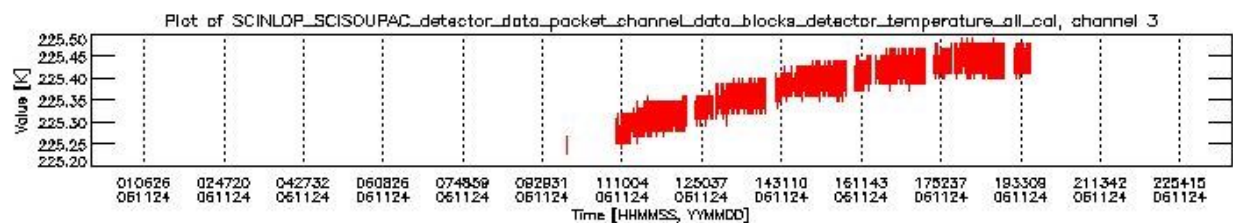
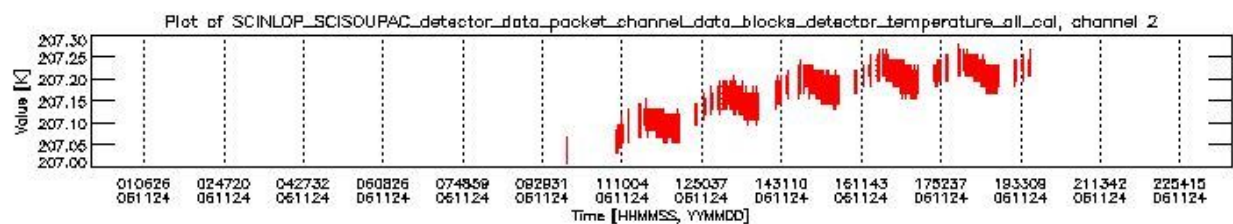
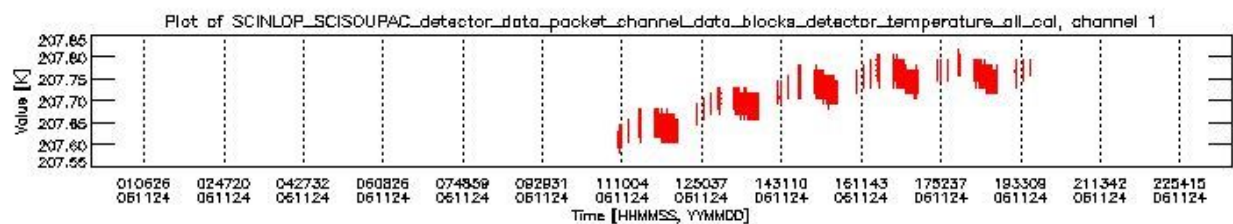
sciamachy_daily_report_level0_PFHS_5_37_N_20061124_1.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061124_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061124_3.PNG

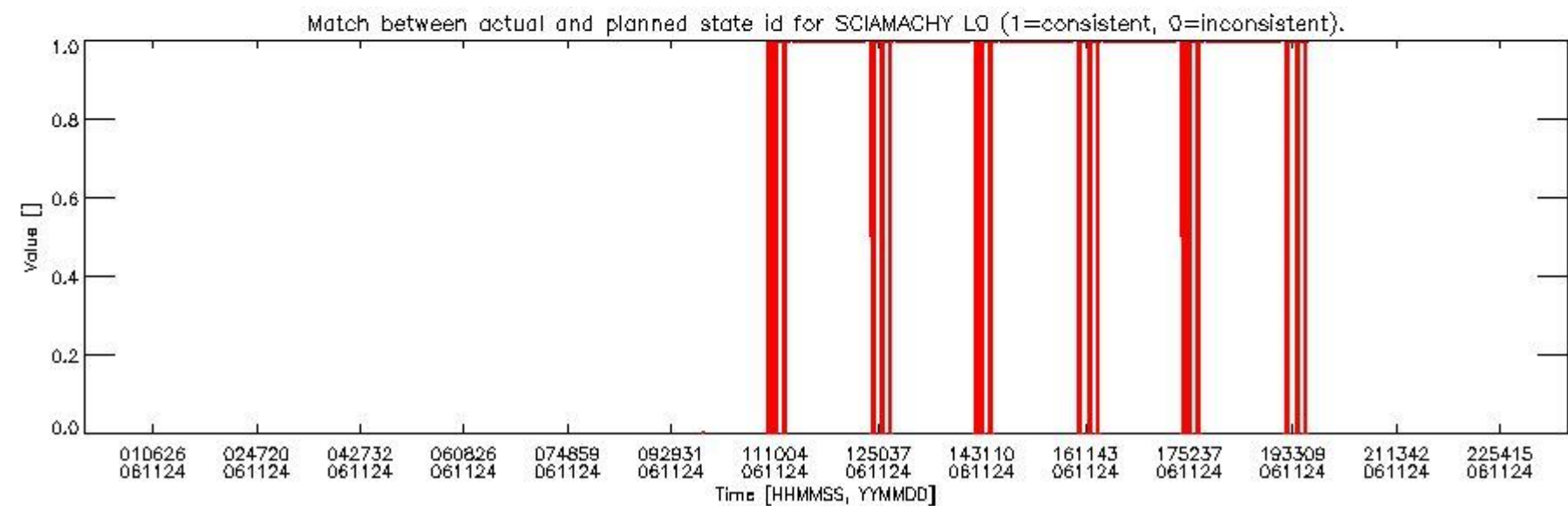
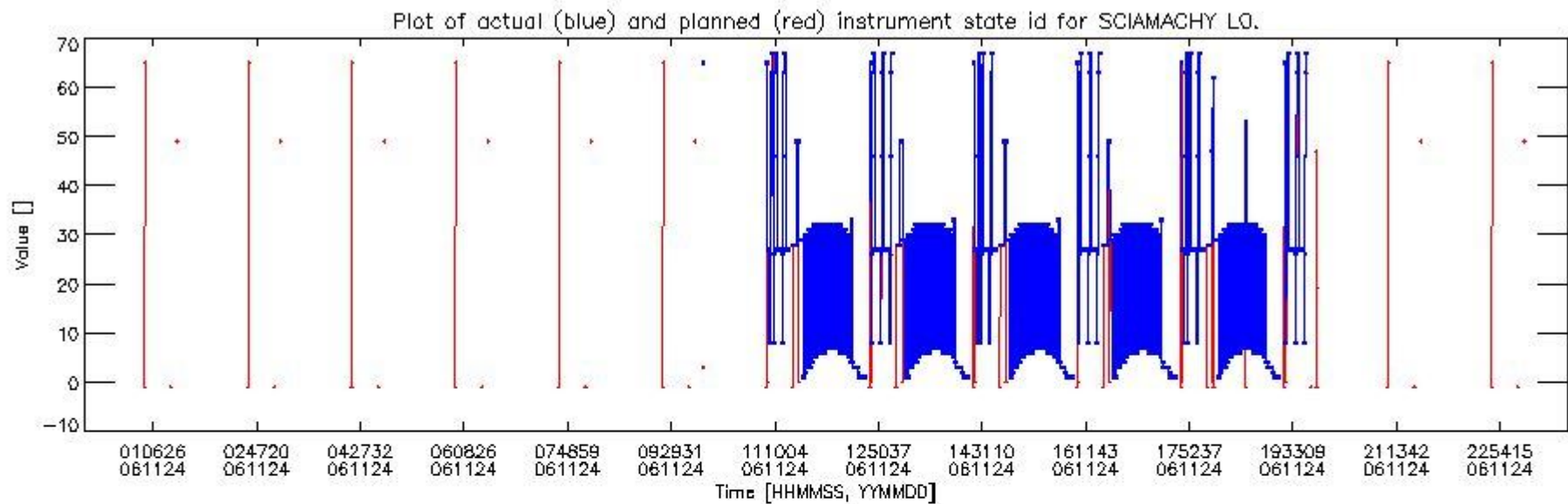


0.3 State monitoring

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: **155**

#	Actual time	Actual value	Planned time	Planned value
0	24NOV2006 10:00:27.442244	65	24NOV2006 10:00:27.442244	3
1	24NOV2006 10:00:28.567243	65	24NOV2006 10:00:28.567243	3
2	24NOV2006 10:00:29.067260	65	24NOV2006 10:00:29.067260	3
3	24NOV2006 10:00:29.567237	65	24NOV2006 10:00:29.567237	3
4	24NOV2006 10:00:30.067255	65	24NOV2006 10:00:30.067255	3
5	24NOV2006 10:00:30.567232	65	24NOV2006 10:00:30.567232	3
6	24NOV2006 10:00:31.067249	65	24NOV2006 10:00:31.067249	3
7	24NOV2006 10:00:31.567267	65	24NOV2006 10:00:31.567267	3
8	24NOV2006 10:00:32.067244	65	24NOV2006 10:00:32.067244	3
9	24NOV2006 10:00:32.442257	65	24NOV2006 10:00:32.442257	3
10	24NOV2006 10:00:32.567261	65	24NOV2006 10:00:32.567261	3
11	24NOV2006 10:00:33.067238	65	24NOV2006 10:00:33.067238	3
12	24NOV2006 10:00:33.567256	65	24NOV2006 10:00:33.567256	3
13	24NOV2006 10:00:34.067233	65	24NOV2006 10:00:34.067233	3
14	24NOV2006 10:00:34.567250	65	24NOV2006 10:00:34.567250	3
15	24NOV2006 10:00:35.067268	65	24NOV2006 10:00:35.067268	3
16	24NOV2006 10:00:35.567245	65	24NOV2006 10:00:35.567245	3
17	24NOV2006 10:00:36.067262	65	24NOV2006 10:00:36.067262	3
18	24NOV2006 10:00:36.567239	65	24NOV2006 10:00:36.567239	3
19	24NOV2006 10:00:37.067257	65	24NOV2006 10:00:37.067257	3
...

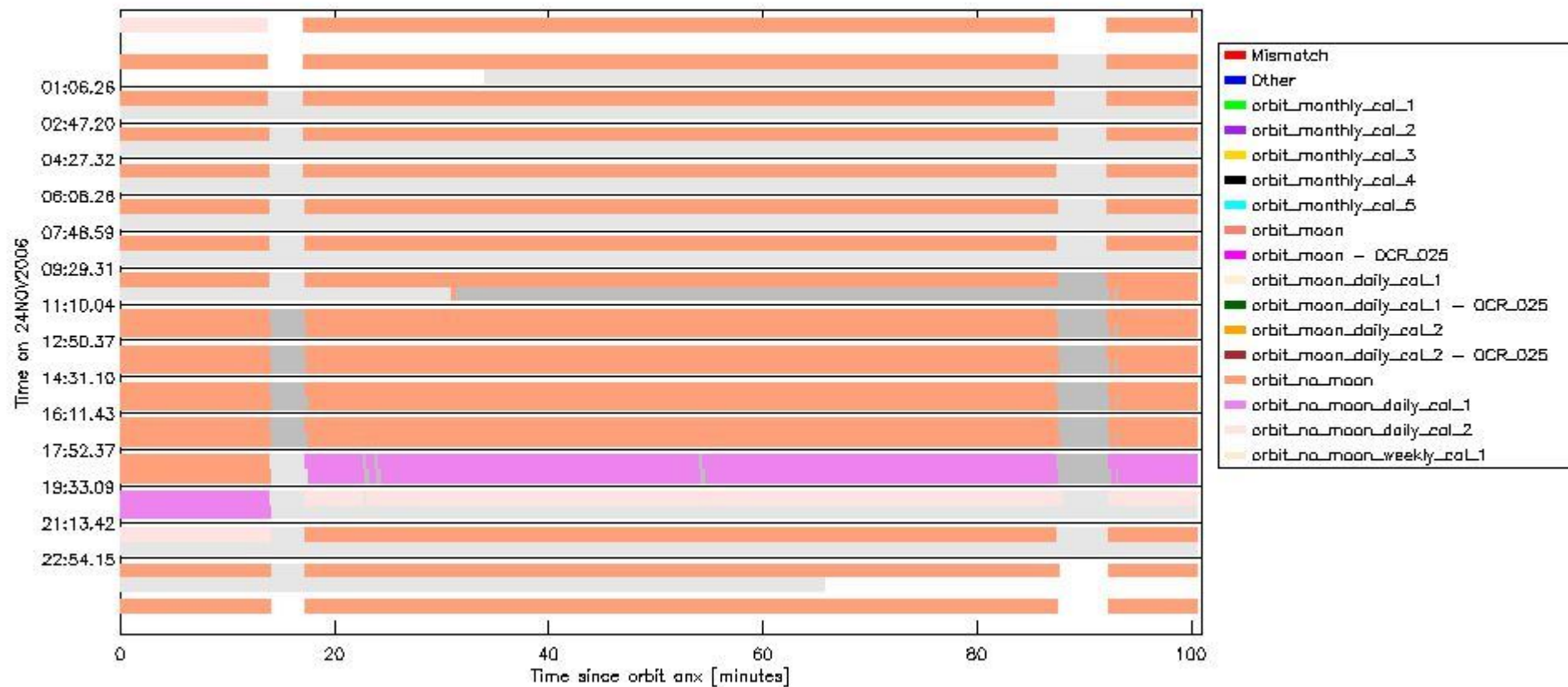


sciamachy_daily_report_level0_PFHS_5_37_N_20061124_5.PNG

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 24NOV2006.
 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_PPHS_5_37_N_20061124_6.PNG

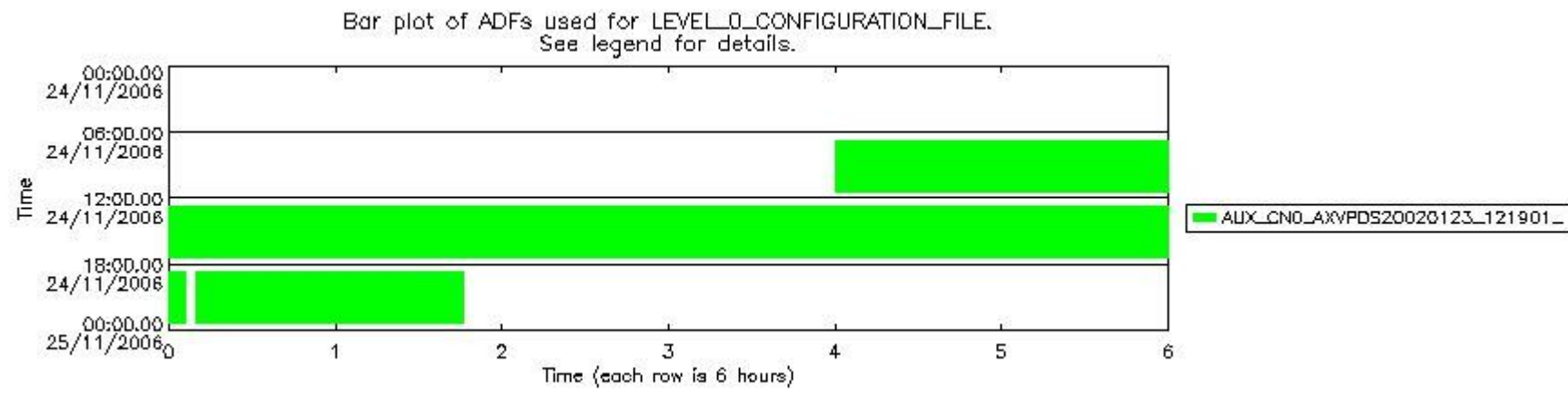
0.4 ADF monitoring

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

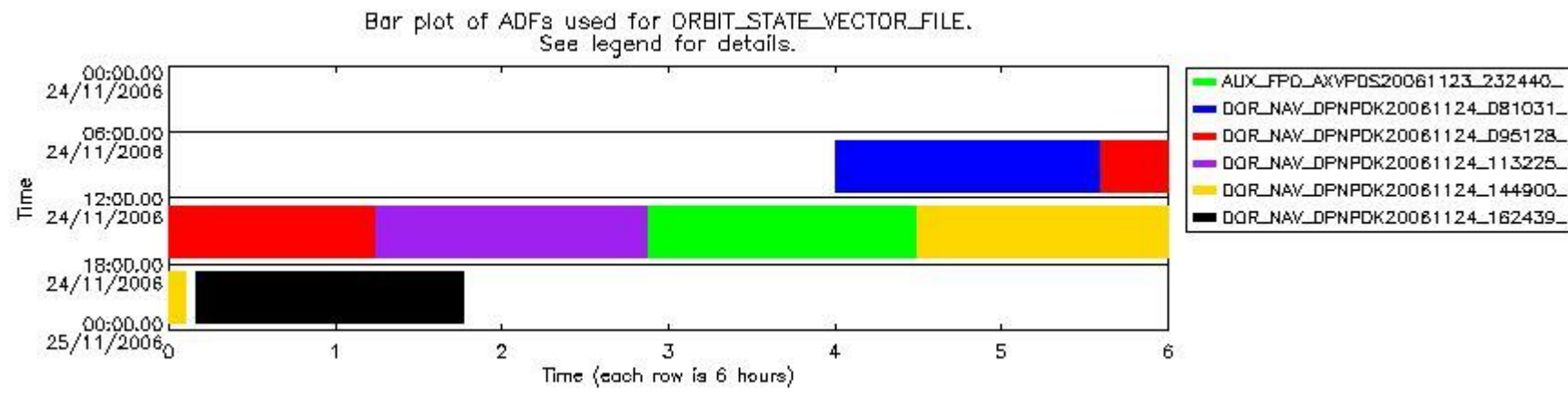
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

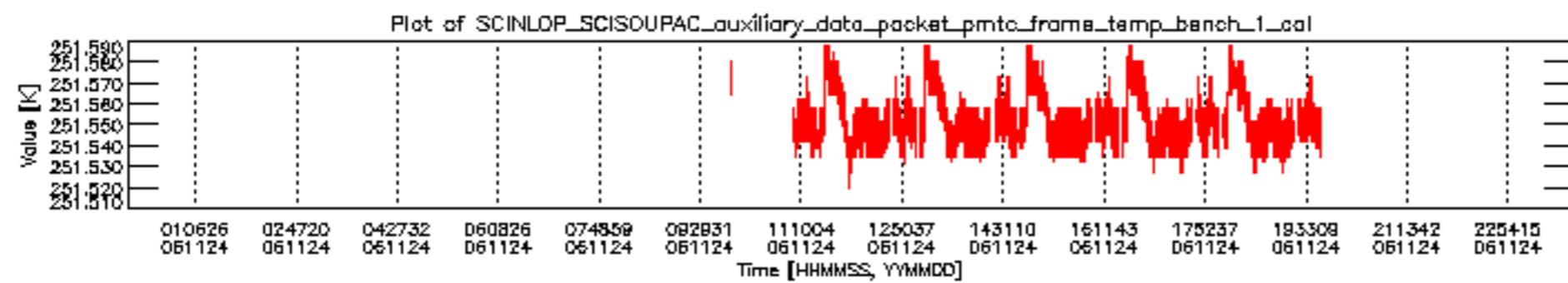
Number	ADF
	CNO (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CNO_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20061123_232440_20061123_182405_20061203_213055
2	DOR_NAV_OPNPDK20061124_081031_000057382053_00150_24753_1490.N1
3	DOR_NAV_OPNPDK20061124_095128_000057382053_00151_24754_1491.N1
4	DOR_NAV_OPNPDK20061124_113225_000057382053_00152_24755_1492.N1
5	DOR_NAV_OPNPDK20061124_144900_000057382053_00154_24757_1494.N1
6	DOR_NAV_OPNPDK20061124_162439_000057382053_00155_24758_1495.N1

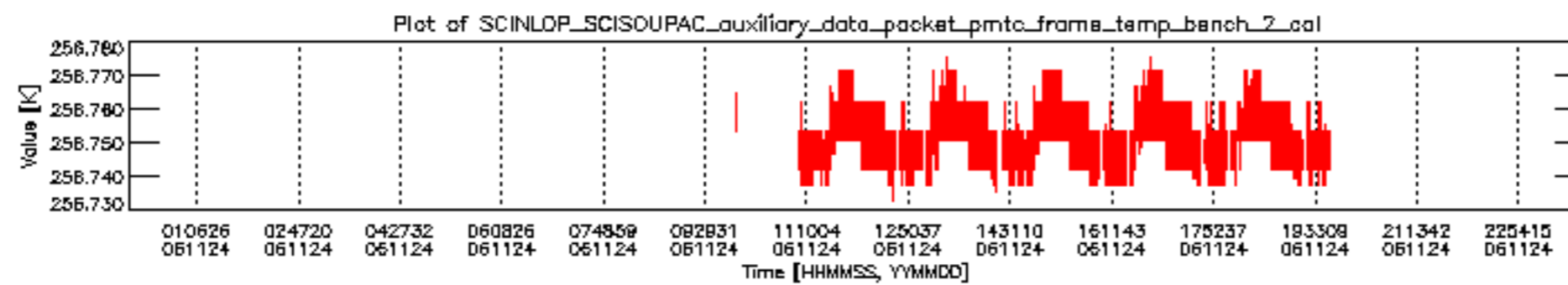


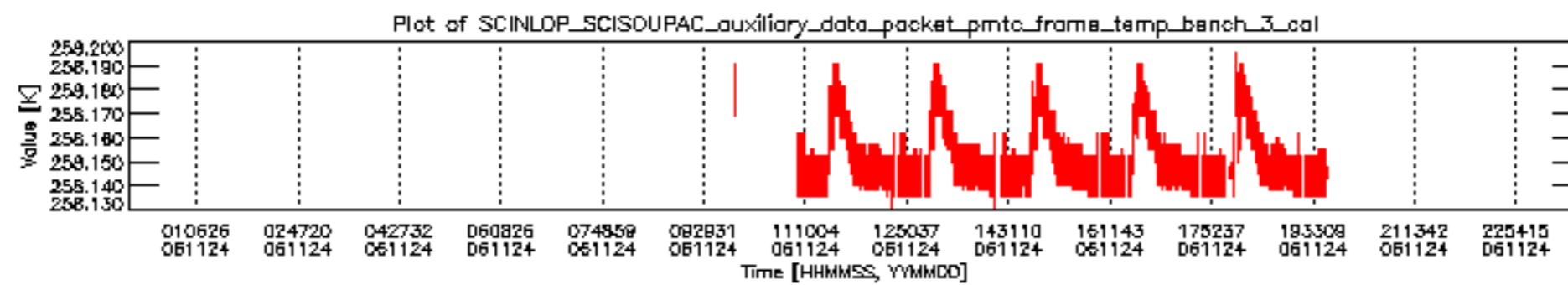
sciamachy_daily_report_level0_PFHS_5_37_N_20061124_7.PNG

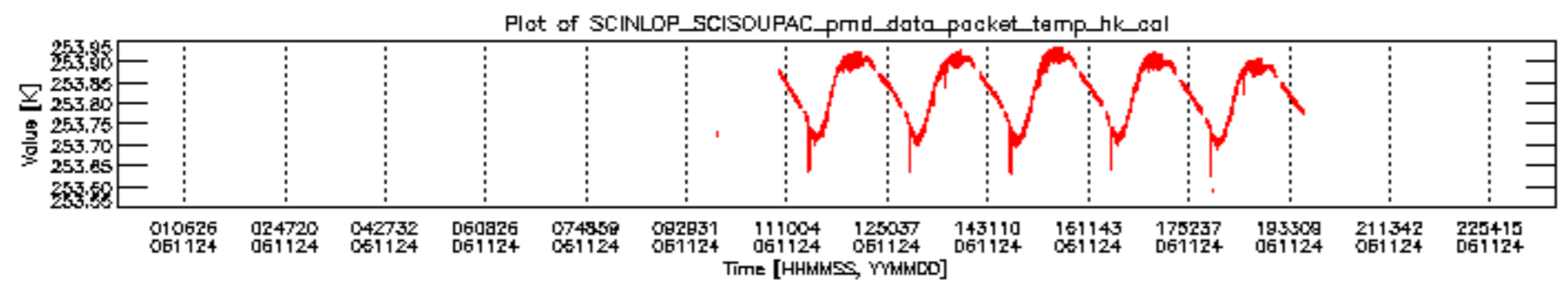


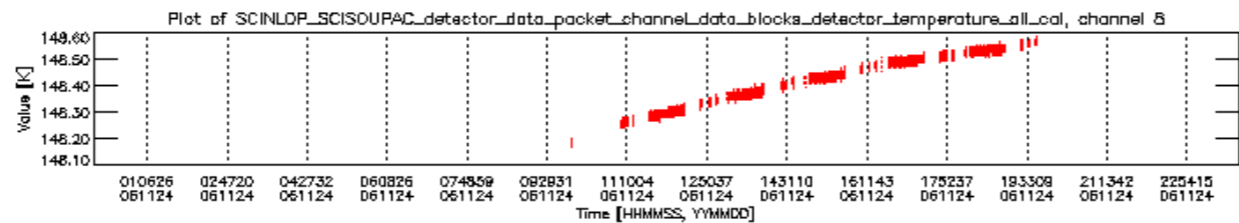
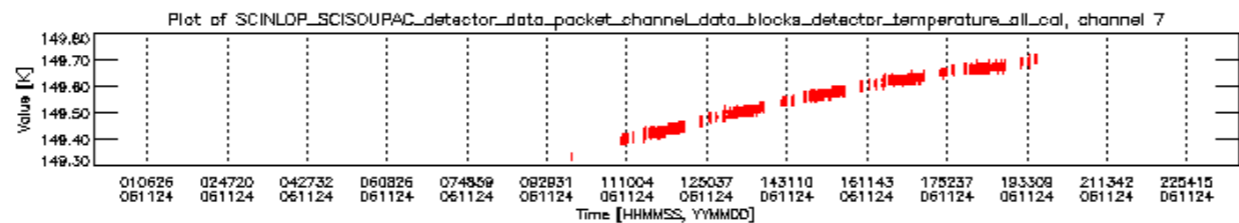
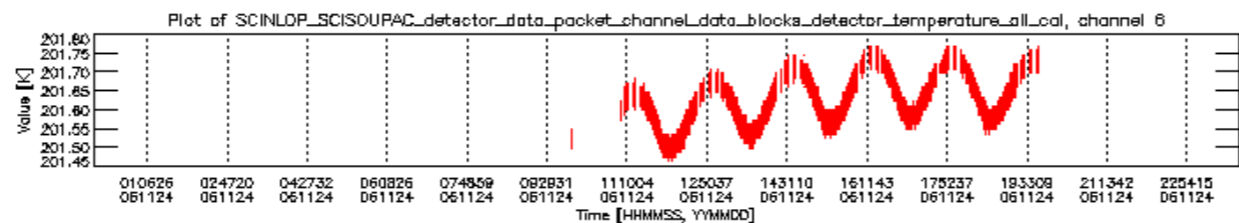
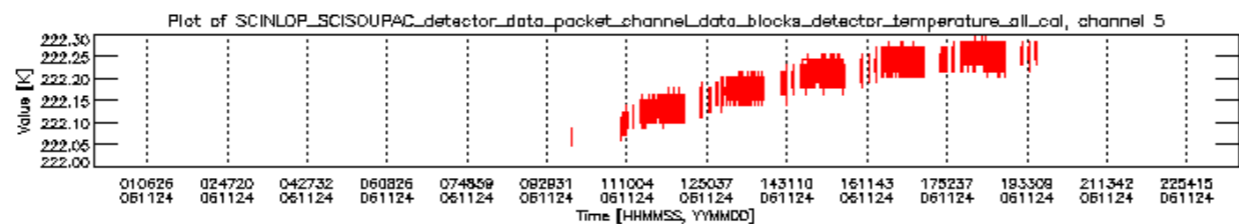
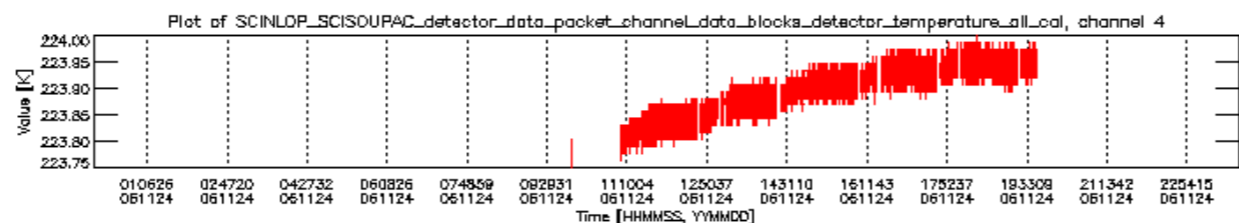
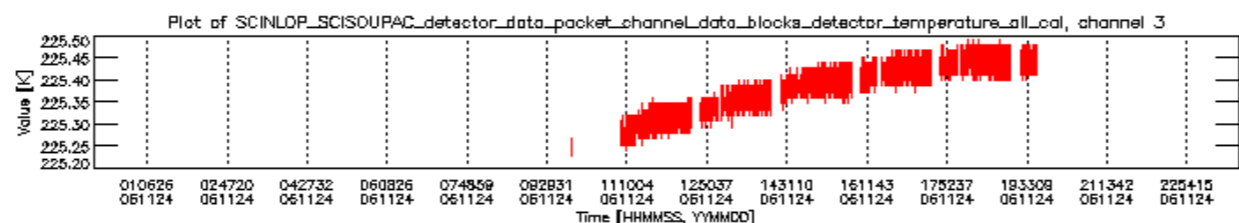
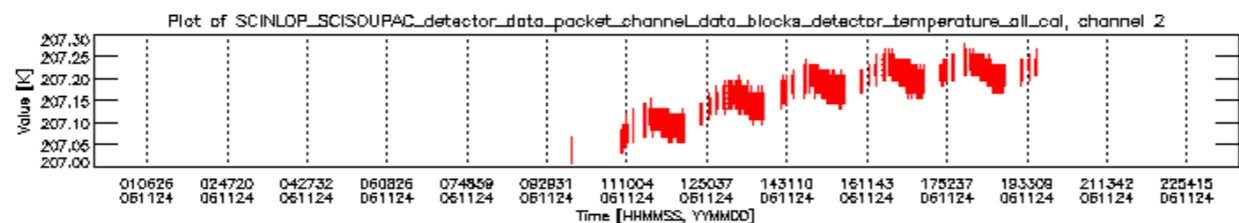
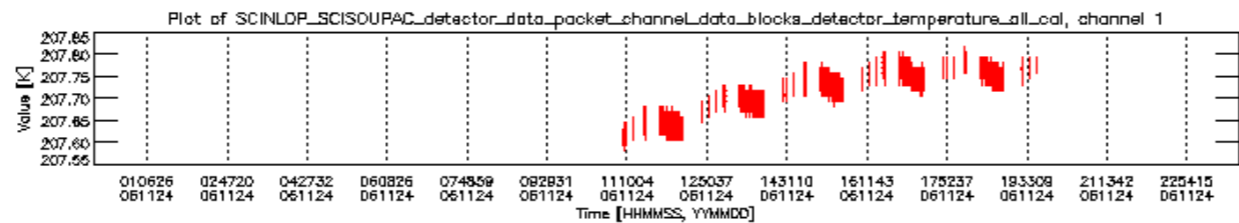
sciamachy_daily_report_level0_PFHS_5_37_N_20061124_8.PNG

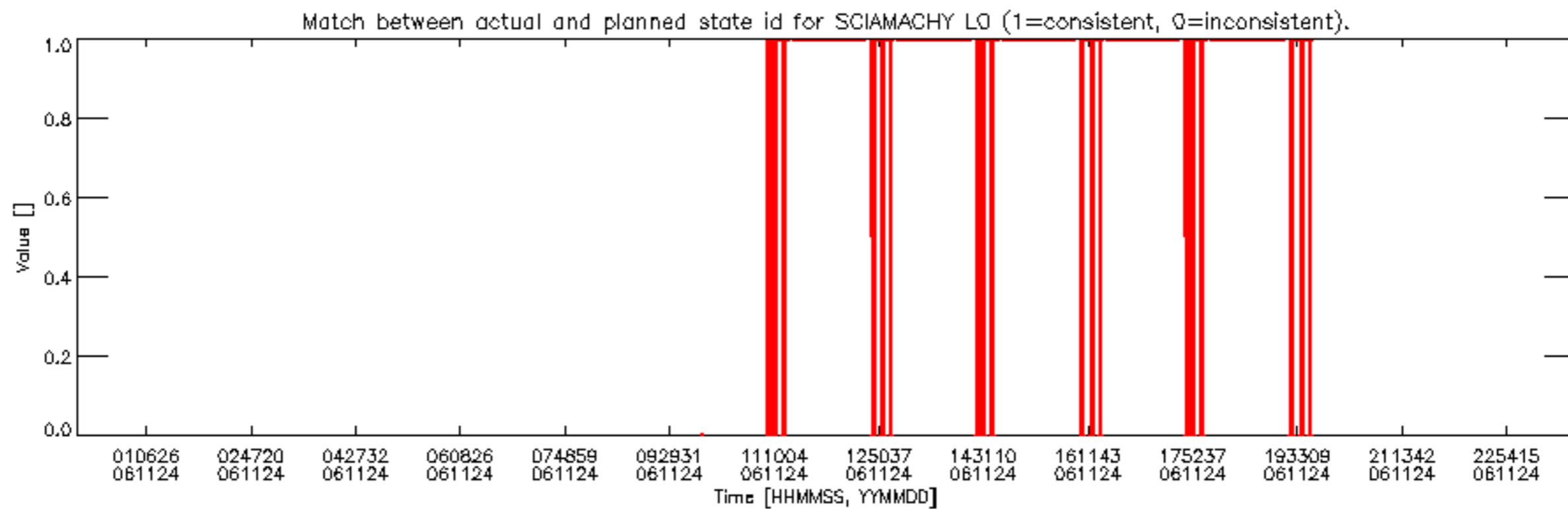
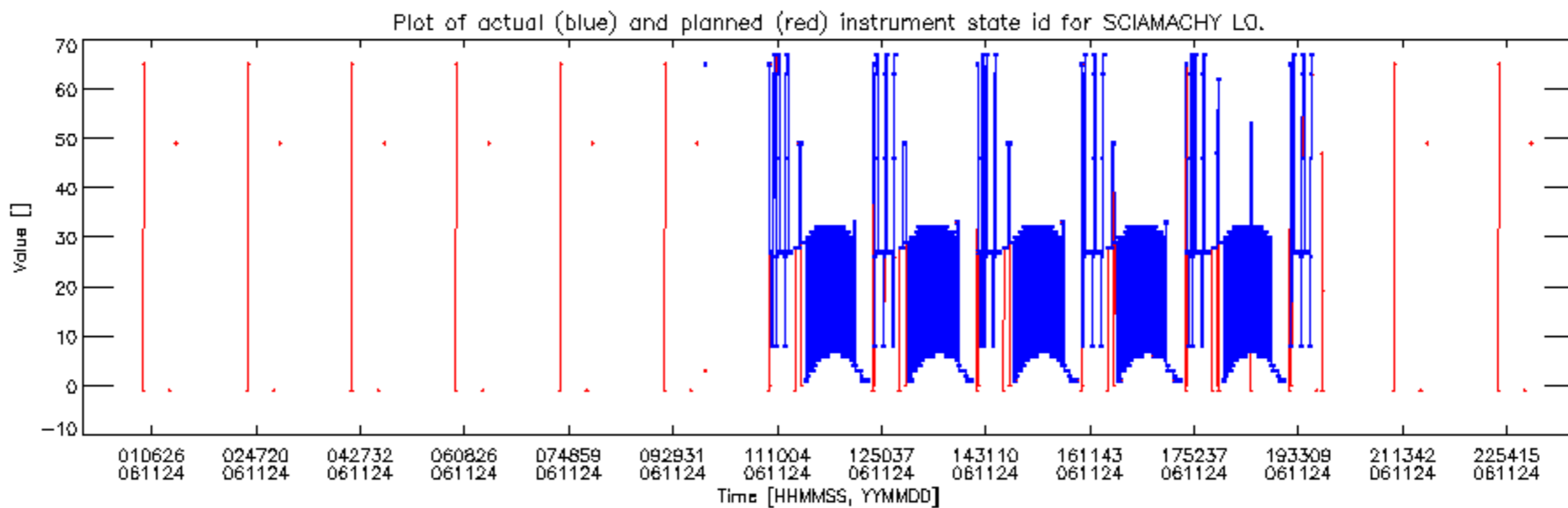












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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