

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	29NOV2006 04:31:02
Data source version	PFHS/5.37-N
Processing scope for products	25NOV2006 00:00:00 to 26NOV2006 00:00:00
Start time of first product within scope	25NOV2006 06:36:12
Stop time of last product within scope	25NOV2006 20:55:26
Total number of level 0 products	9
Number of level 0 products with errors	9

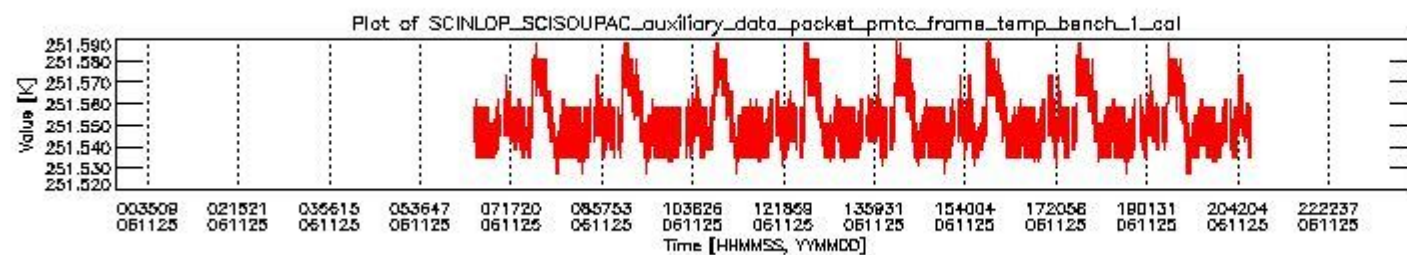
0.1.2 Summary per product

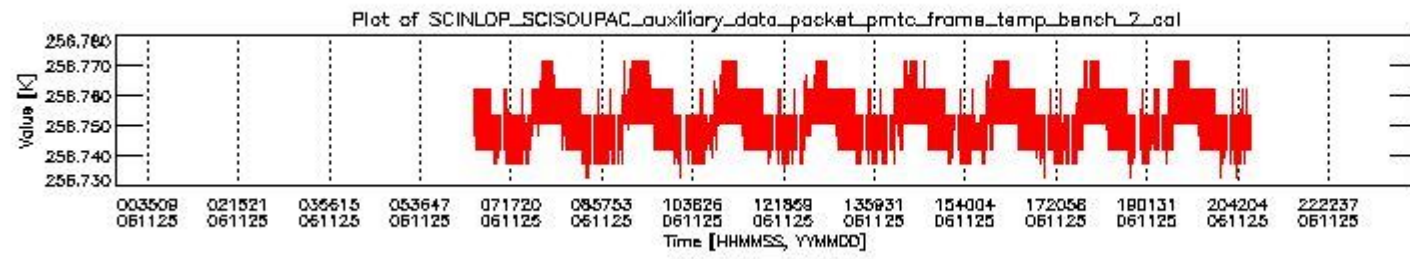
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20061125_063612_000041012053_00163_24766_1478.N1	25NOV2006 06:36:12	25NOV2006 07:44:33	1	0	1	0	0
1	SCI_NL__0PNPDK20061125_074337_000061042053_00164_24767_1479.N1	25NOV2006 07:43:37	25NOV2006 09:25:22	1	0	1	0	0
2	SCI_NL__0PNPDK20061125_092413_000060912053_00165_24768_1480.N1	25NOV2006 09:24:13	25NOV2006 11:05:45	1	0	1	0	0
3	SCI_NL__0PNPDK20061125_110449_000060362053_00166_24769_1481.N1	25NOV2006 11:04:49	25NOV2006 12:45:25	1	0	1	0	0
4	SCI_NL__0PNPDK20061125_124429_000059802053_00167_24770_1482.N1	25NOV2006 12:44:29	25NOV2006 14:24:10	1	0	1	0	0
5	SCI_NL__0PNPDK20061125_142314_000058982053_00168_24771_1483.N1	25NOV2006 14:23:14	25NOV2006 16:01:32	1	0	1	0	0
6	SCI_NL__0PNPDK20061125_160132_000058672053_00169_24772_1484.N1	25NOV2006 16:01:32	25NOV2006 17:39:20	1	0	1	0	0
7	SCI_NL__0PNPDK20061125_173824_000057412053_00170_24773_1485.N1	25NOV2006 17:38:24	25NOV2006 19:14:06	1	0	1	0	0
8	SCI_NL__0PNPDK20061125_191900_000057862053_00171_24774_1486.N1	25NOV2006 19:19:00	25NOV2006 20:55:26	1	0	1	0	0

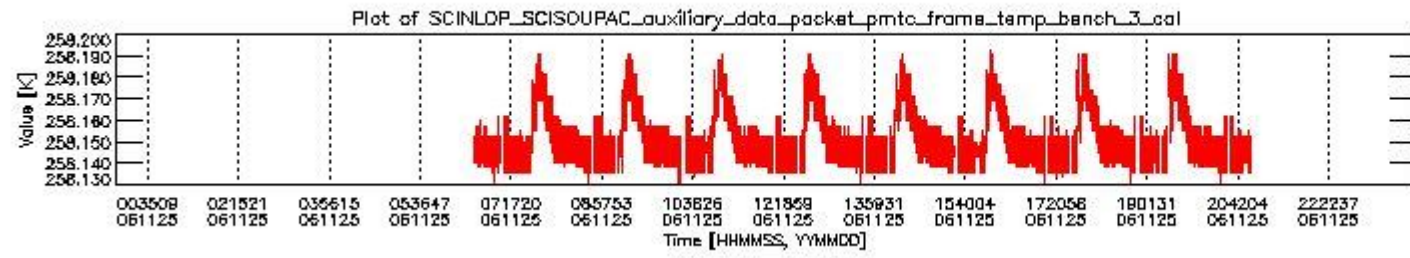
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

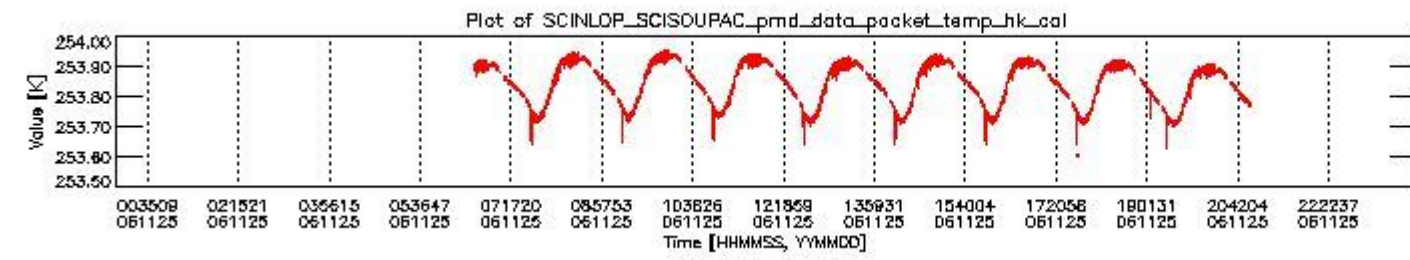




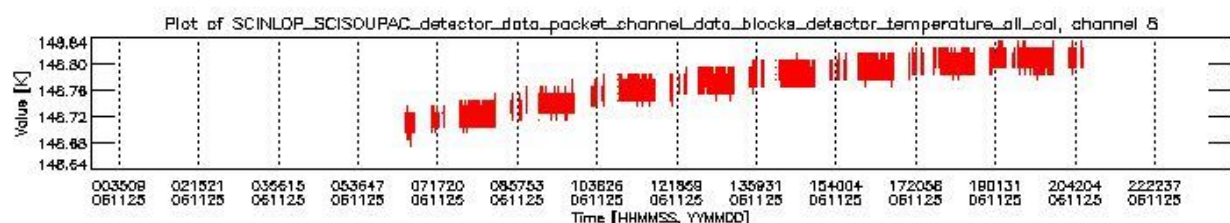
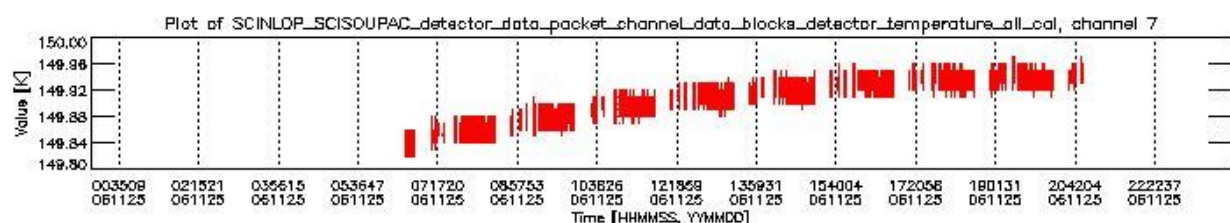
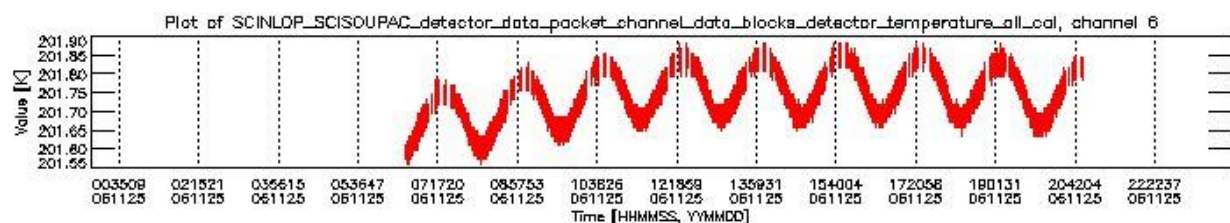
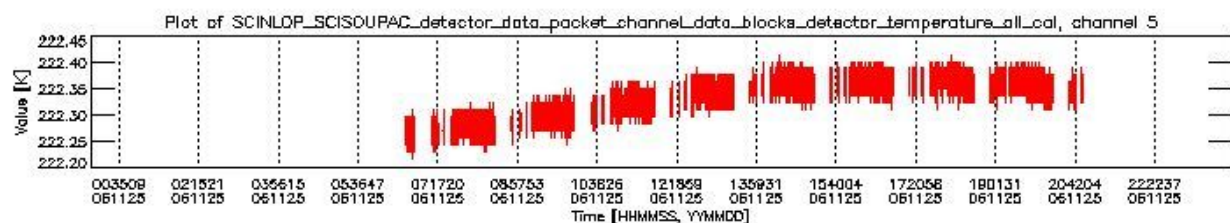
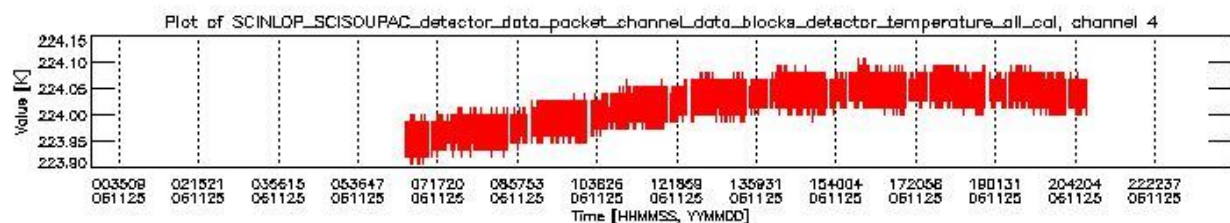
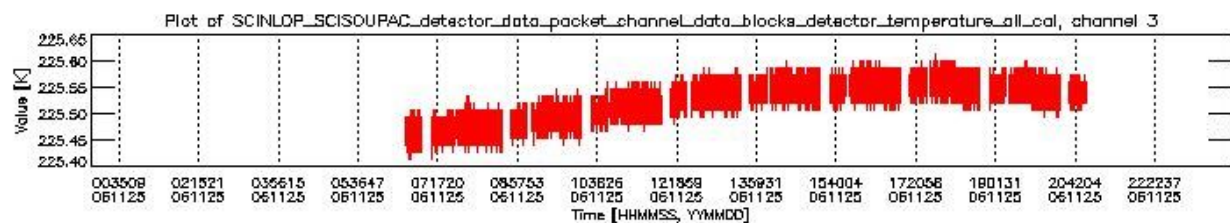
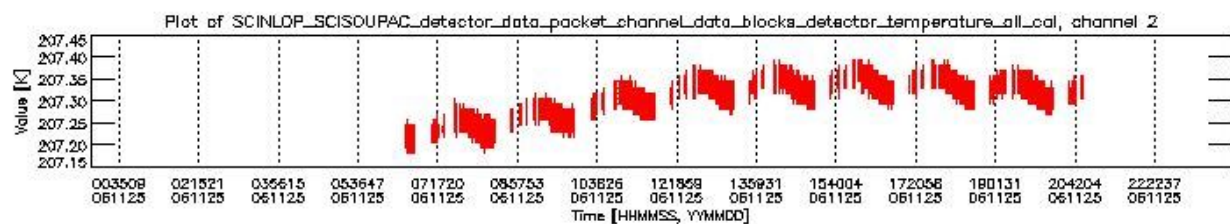
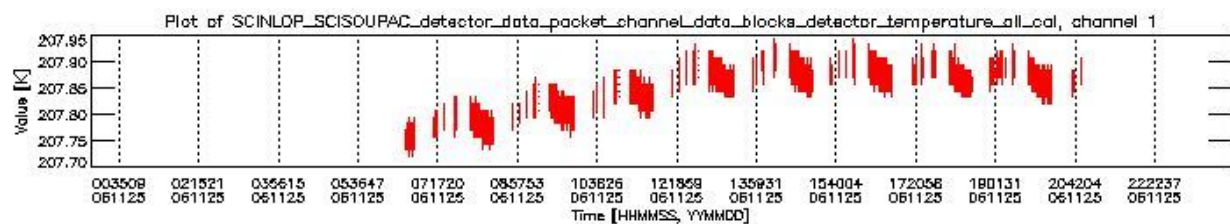
sciamachy_daily_report_level0_PFHS_5_37_N_20061125_1.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061125_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061125_3.PNG

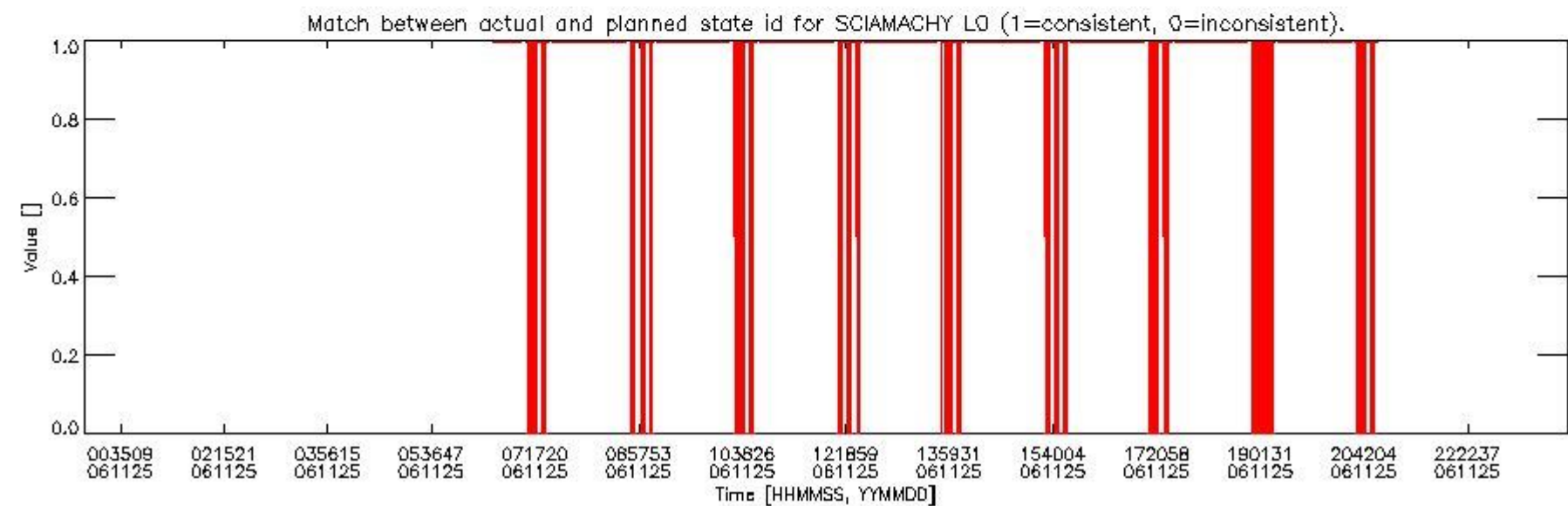
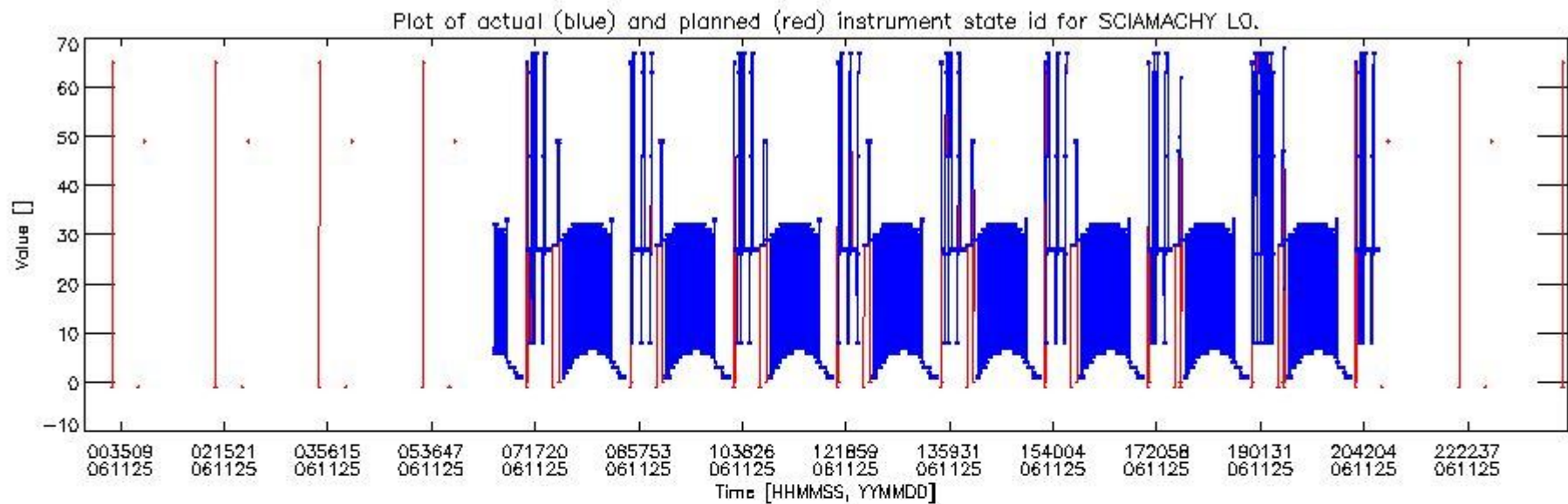


0.3 State monitoring

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: **173**

#	Actual time	Actual value	Planned time	Planned value
0	25NOV2006 07:09:56.610028	27	25NOV2006 07:09:56.610028	0
1	25NOV2006 07:12:08.785774	8	25NOV2006 07:12:08.785774	27
2	25NOV2006 07:12:52.344379	26	25NOV2006 07:12:52.344379	8
3	25NOV2006 07:13:25.906861	46	25NOV2006 07:13:25.906861	26
4	25NOV2006 07:13:39.465467	63	25NOV2006 07:13:39.465467	46
5	25NOV2006 07:14:13.024046	67	25NOV2006 07:14:13.024046	63
6	25NOV2006 07:15:36.586538	8	25NOV2006 07:15:36.586538	67
7	25NOV2006 07:16:20.141240	26	25NOV2006 07:16:20.141240	8
8	25NOV2006 07:16:53.699819	46	25NOV2006 07:16:53.699819	26
9	25NOV2006 07:17:07.262329	63	25NOV2006 07:17:07.262329	46
10	25NOV2006 07:17:40.820907	67	25NOV2006 07:17:40.820907	63
11	25NOV2006 07:19:04.383399	27	25NOV2006 07:19:04.383399	67
12	25NOV2006 07:24:12.793555	8	25NOV2006 07:24:12.793555	27
13	25NOV2006 07:24:56.352160	26	25NOV2006 07:24:56.352160	8
14	25NOV2006 07:25:29.910739	46	25NOV2006 07:25:29.910739	26
15	25NOV2006 07:25:43.469346	63	25NOV2006 07:25:43.469346	46
16	25NOV2006 07:26:17.027924	67	25NOV2006 07:26:17.027924	63
17	25NOV2006 07:27:40.586514	27	25NOV2006 07:27:40.586514	67
18	25NOV2006 08:50:32.812813	8	25NOV2006 08:50:32.812813	0
19	25NOV2006 08:51:16.371418	26	25NOV2006 08:51:16.371418	8

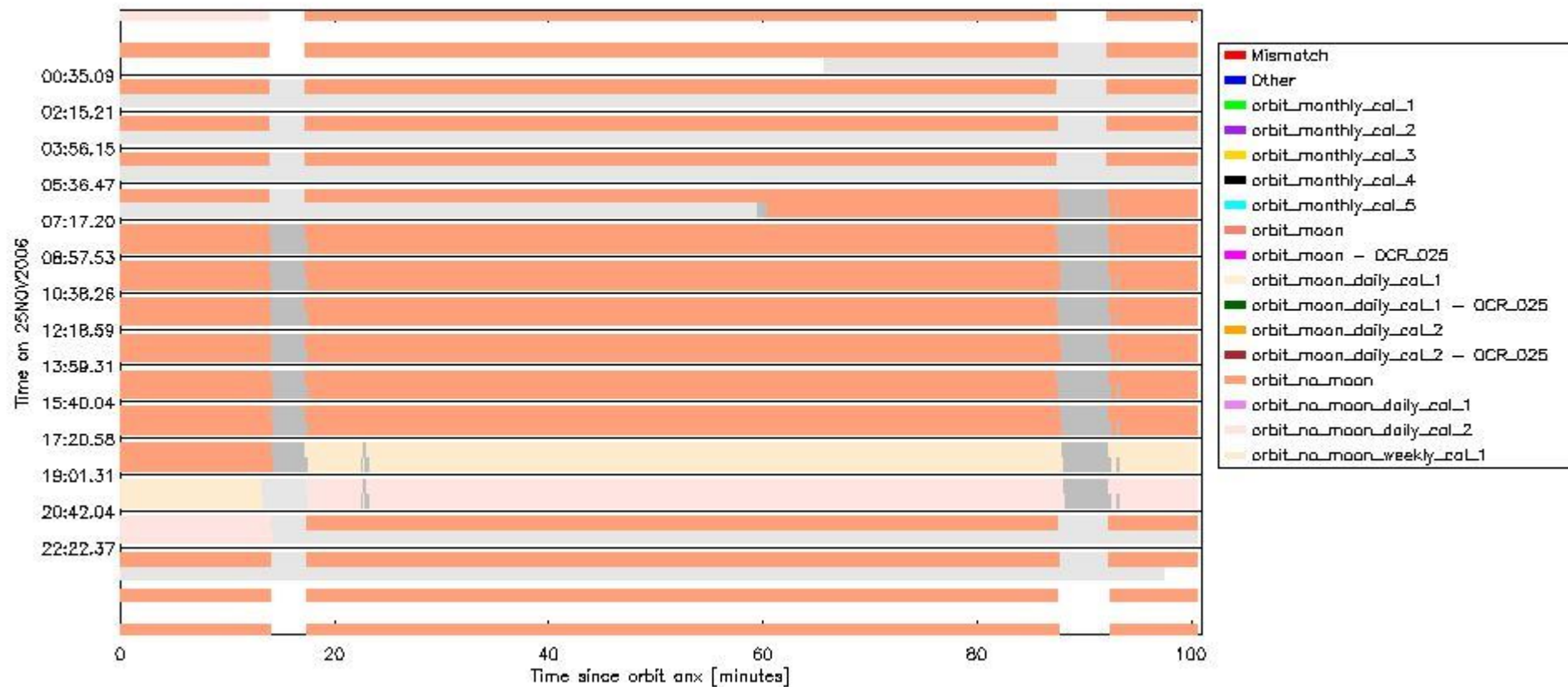


sciamachy_daily_report_level0_PFHS_5_37_N_20061125_5.PNG

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 25NOV2006.
 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_20061125_6.PNG

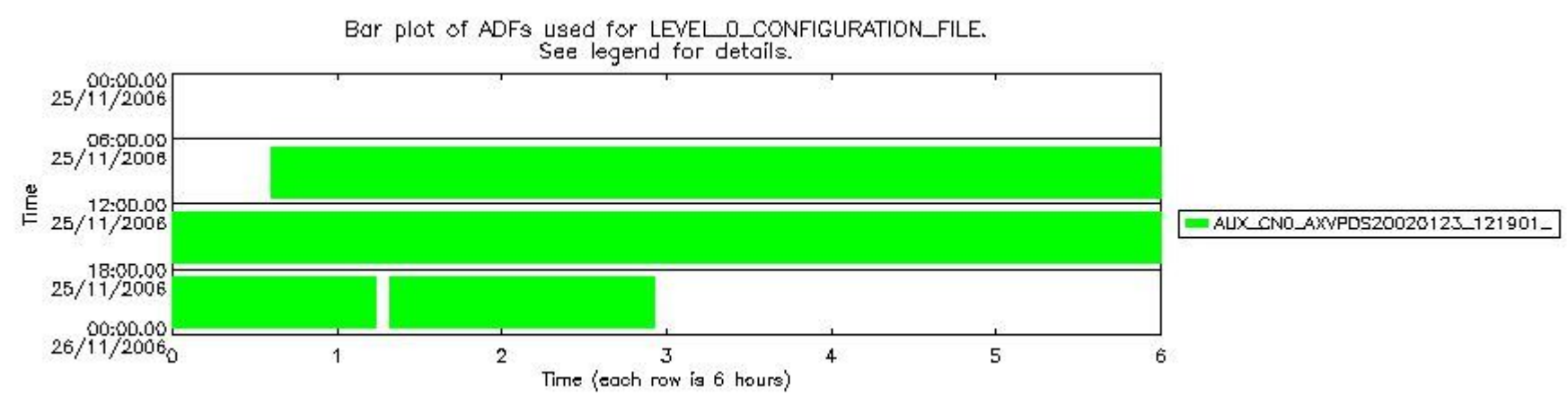
0.4 ADF monitoring

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

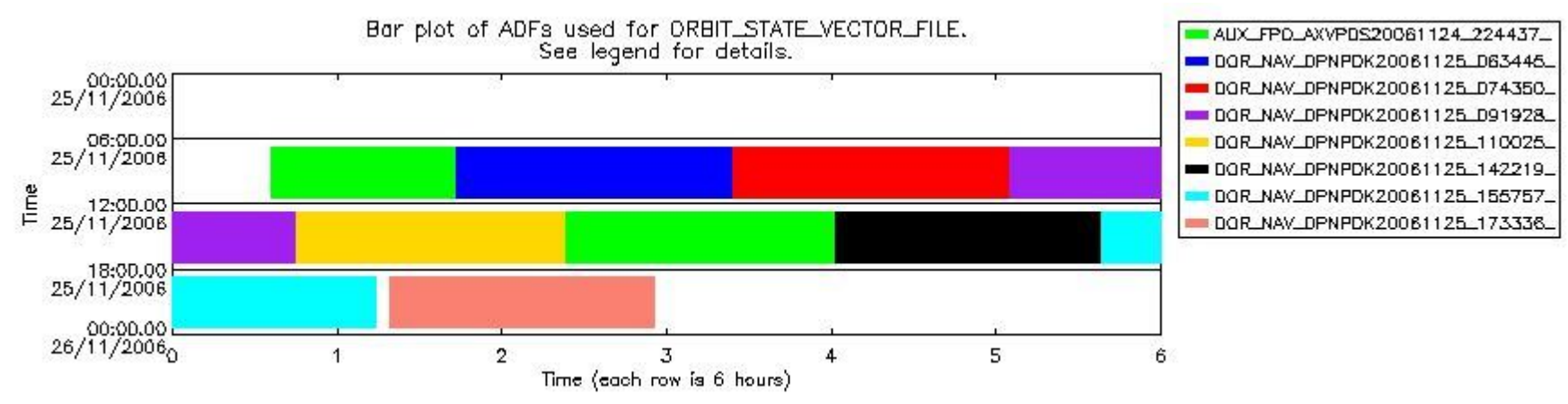
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

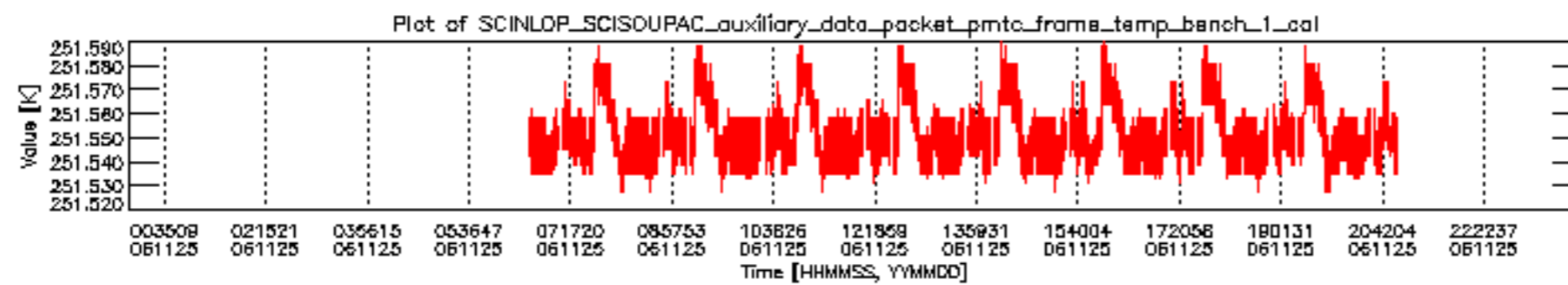
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20061124_224437_20061124_193304_20061204_205918
2	DOR_NAV_0PNPDK20061125_063445_000038252053_00163_24766_1497.N1
3	DOR_NAV_0PNPDK20061125_074350_000057382053_00164_24767_1498.N1
4	DOR_NAV_0PNPDK20061125_091928_000057382053_00165_24768_1499.N1
5	DOR_NAV_0PNPDK20061125_110025_000057382053_00166_24769_1500.N1
6	DOR_NAV_0PNPDK20061125_142219_000054192053_00168_24771_1502.N1
7	DOR_NAV_0PNPDK20061125_155757_000057382053_00169_24772_1503.N1
8	DOR_NAV_0PNPDK20061125_173336_000057382053_00170_24773_1504.N1

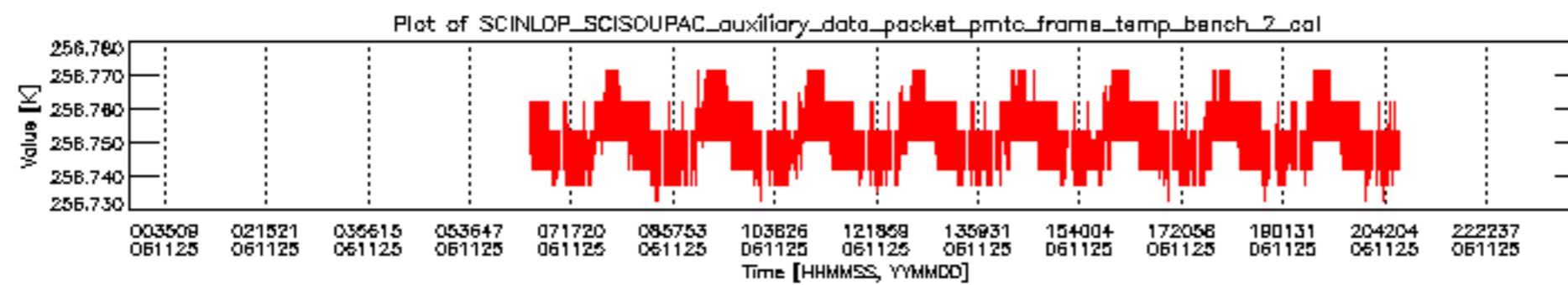


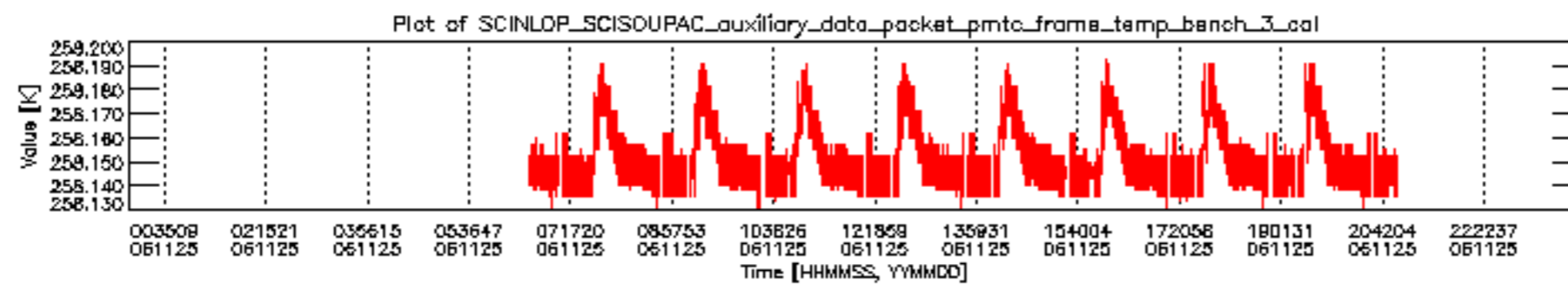
sciamachy_daily_report_level0_PFHS_5_37_N_20061125_7.PNG

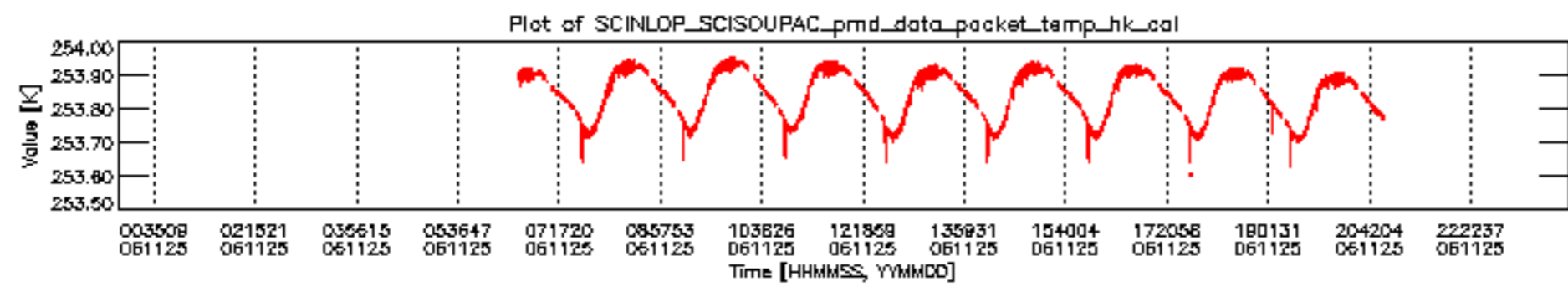


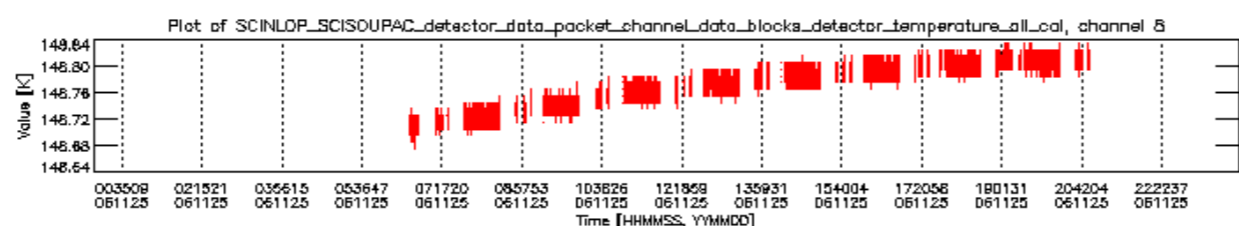
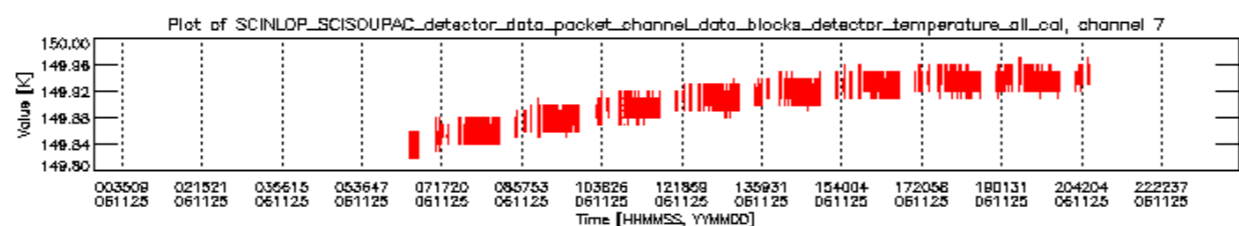
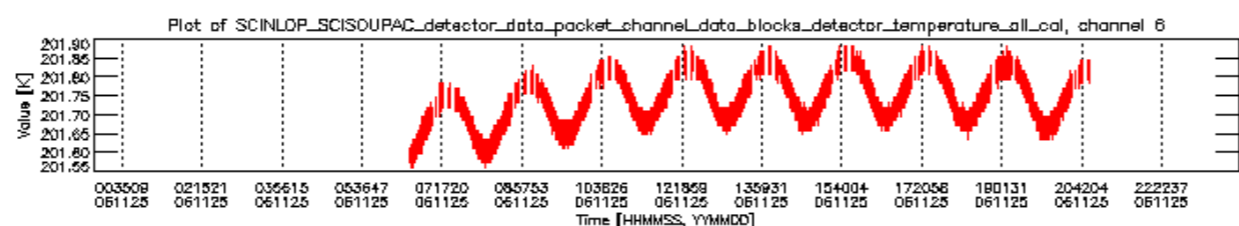
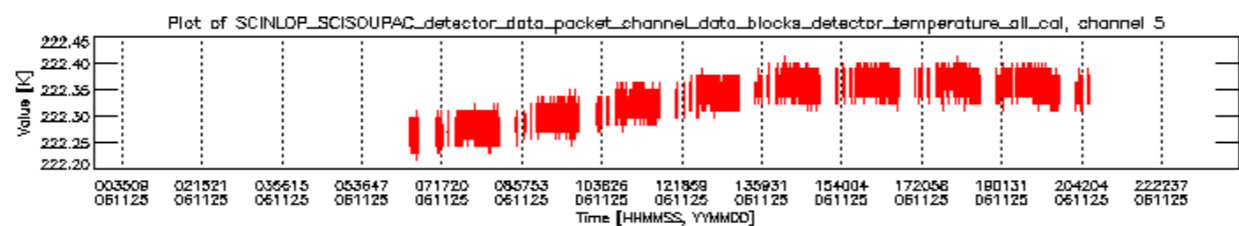
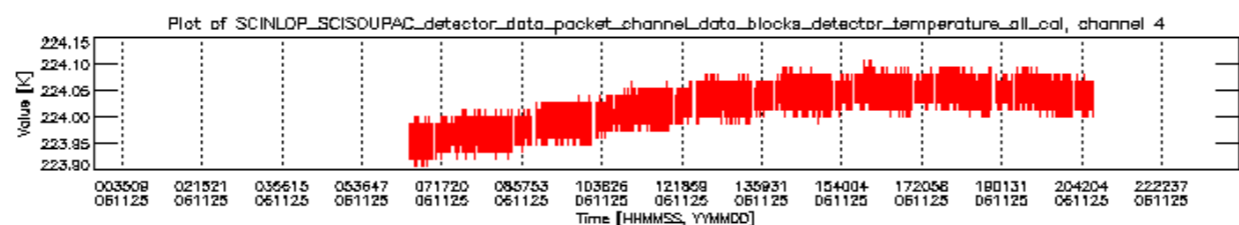
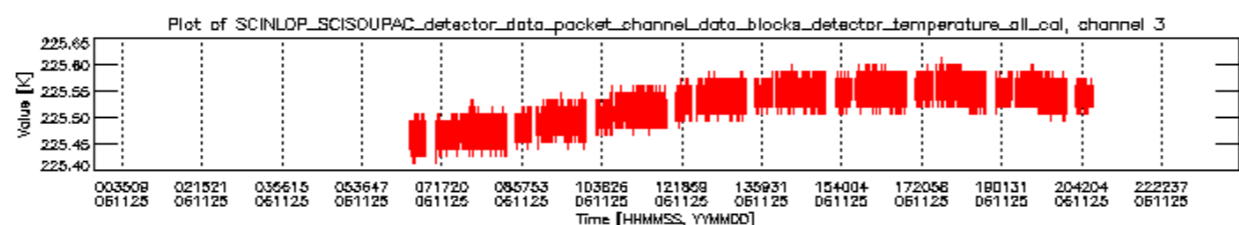
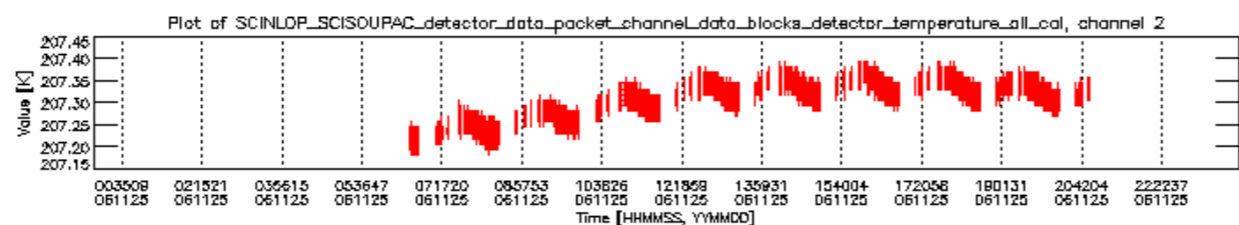
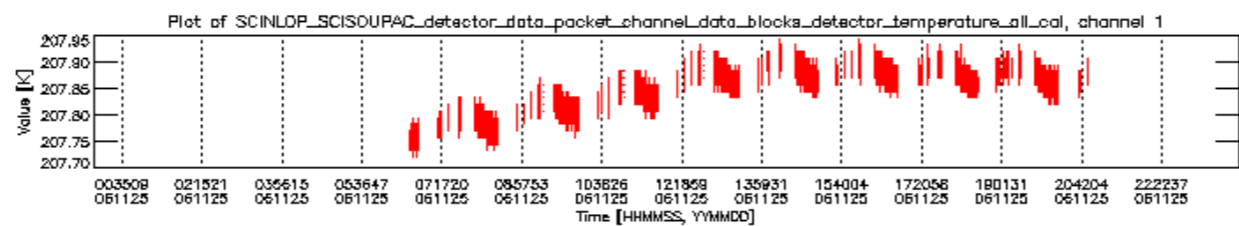
sciamachy_daily_report_level0_PFHS_5_37_N_20061125_8.PNG

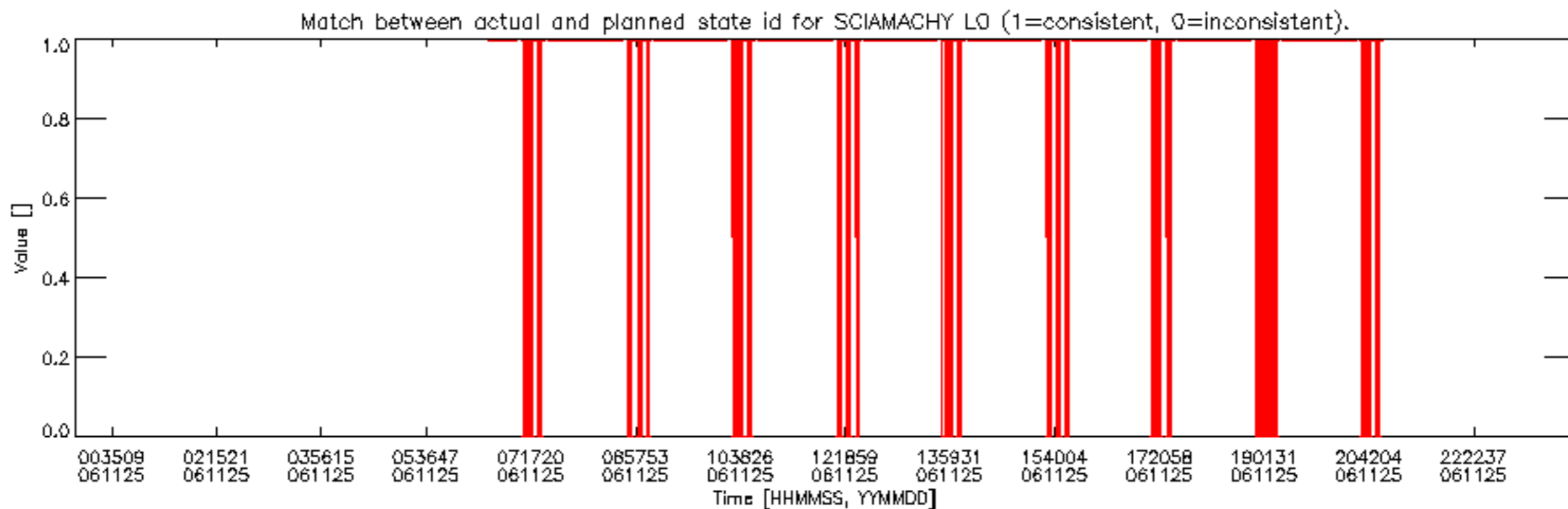
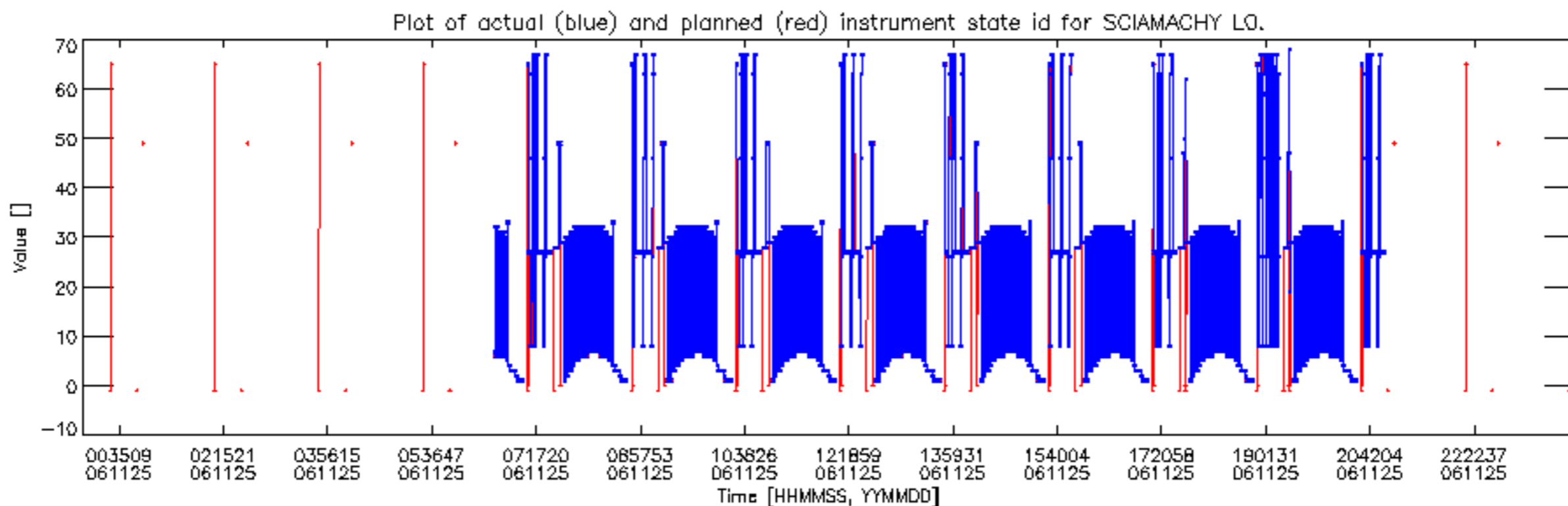












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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