

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	09DEC2006 05:10:13
Data source version	PFHS/5.37-N
Processing scope for products	05DEC2006 00:00:00 to 06DEC2006 00:00:00
Start time of first product within scope	05DEC2006 06:21:08
Stop time of last product within scope	05DEC2006 20:40:55
Total number of level 0 products	9
Number of level 0 products with errors	9

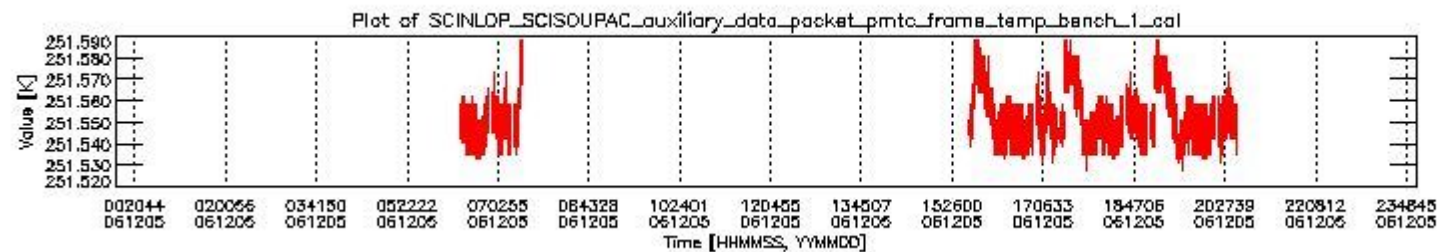
0.1.2 Summary per product

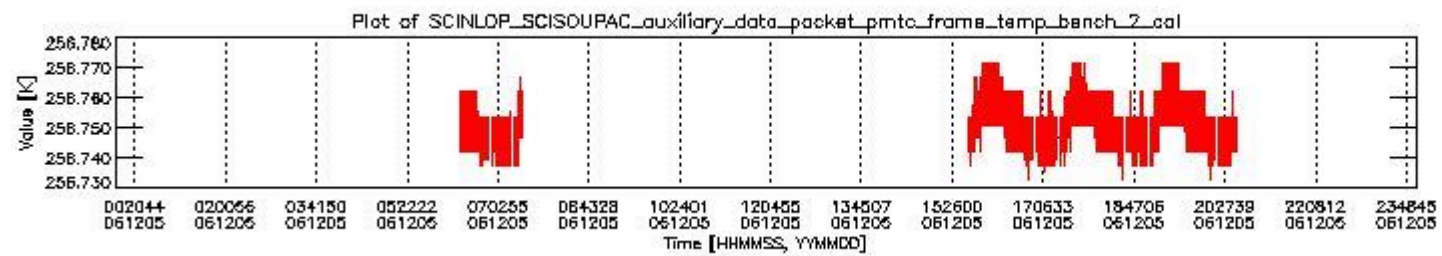
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20061205_062108_000041132053_00306_24909_1567.N1	05DEC2006 06:21:08	05DEC2006 07:29:42	1	0	1	0	0
1	SCI_NL__0PNPDK20061205_072846_000062162053_00307_24910_1568.N1	05DEC2006 07:28:46	05DEC2006 09:12:22	1	0	1	0	0
2	SCI_NL__0PNPDK20061205_091114_000060362053_00308_24911_1569.N1	05DEC2006 09:11:14	05DEC2006 10:51:50	1	0	1	0	0
3	SCI_NL__0PNPDK20061205_105054_000059802053_00309_24912_1570.N1	05DEC2006 10:50:54	05DEC2006 12:30:34	1	0	1	0	0
4	SCI_NL__0PNPDK20061205_122938_000058422053_00310_24913_1571.N1	05DEC2006 12:29:38	05DEC2006 14:07:00	1	0	1	0	0
5	SCI_NL__0PNPDK20061205_140700_000059792053_00311_24914_1572.N1	05DEC2006 14:07:00	05DEC2006 15:46:40	1	0	1	0	0
6	SCI_NL__0PNPDK20061205_154352_000060362053_00312_24915_1573.N1	05DEC2006 15:43:52	05DEC2006 17:24:28	1	0	1	0	0
7	SCI_NL__0PNPDK20061205_172428_000057552053_00313_24916_1574.N1	05DEC2006 17:24:28	05DEC2006 19:00:24	1	0	1	0	0
8	SCI_NL__0PNPDK20061205_190504_000057502053_00314_24917_1575.N1	05DEC2006 19:05:04	05DEC2006 20:40:55	1	0	1	0	0

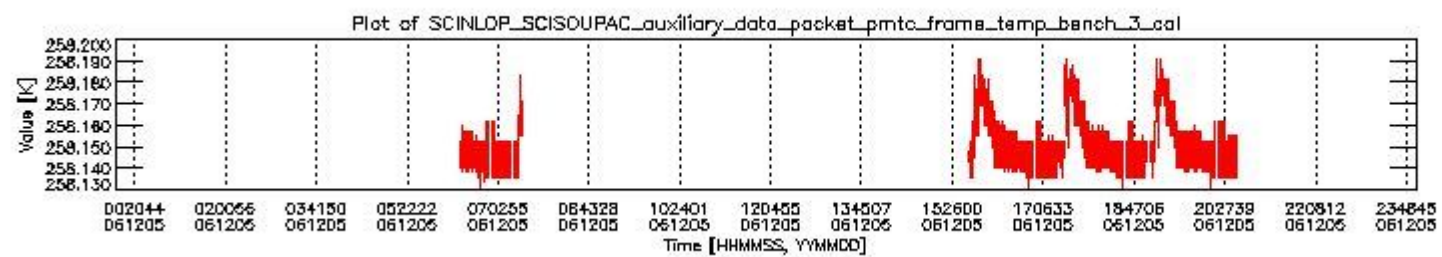
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

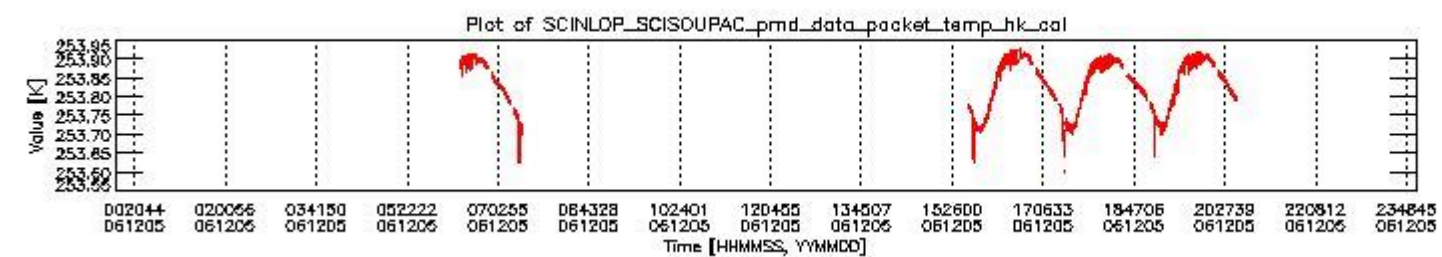




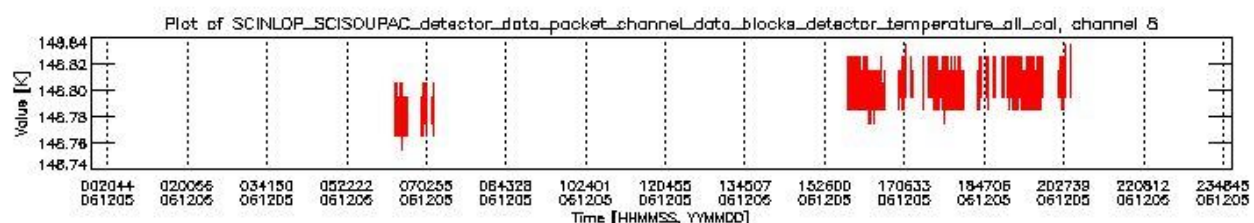
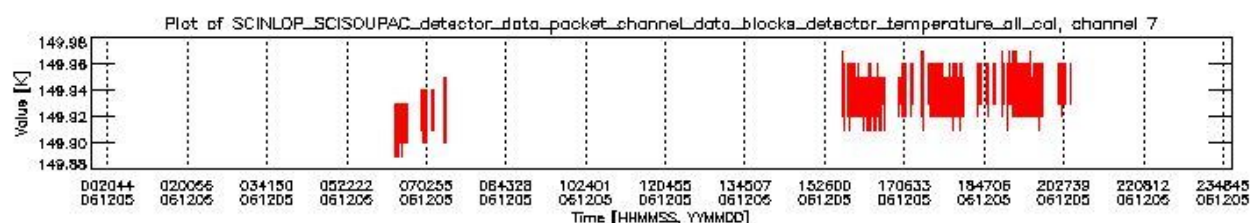
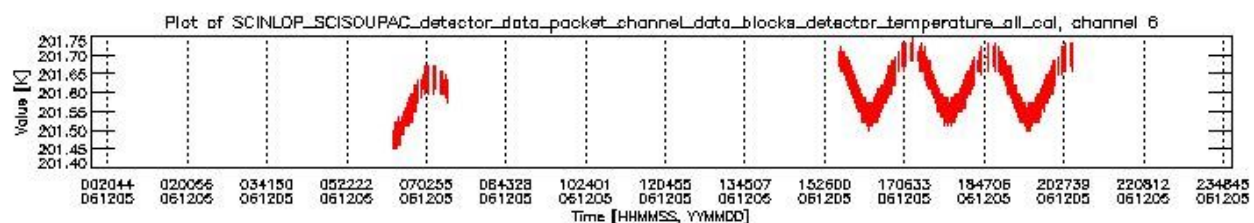
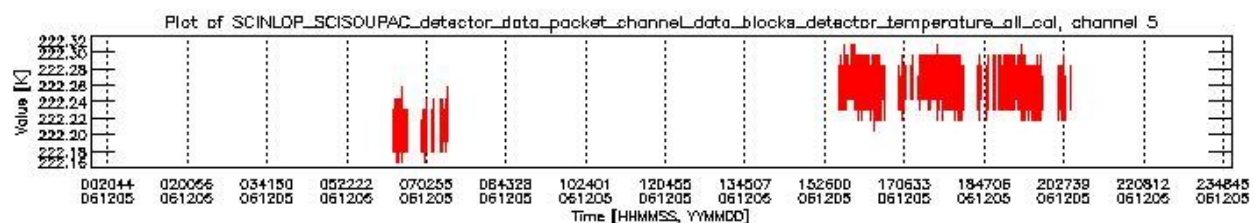
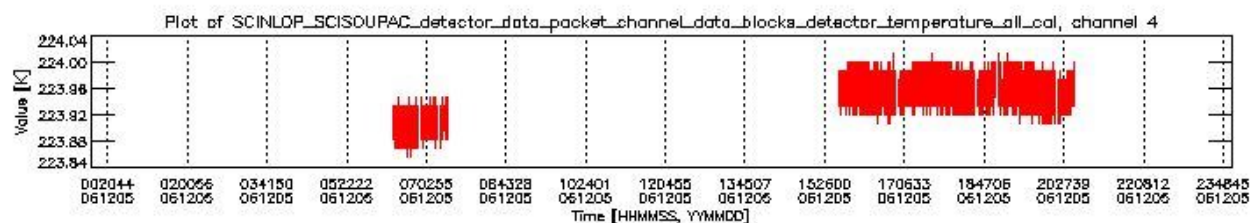
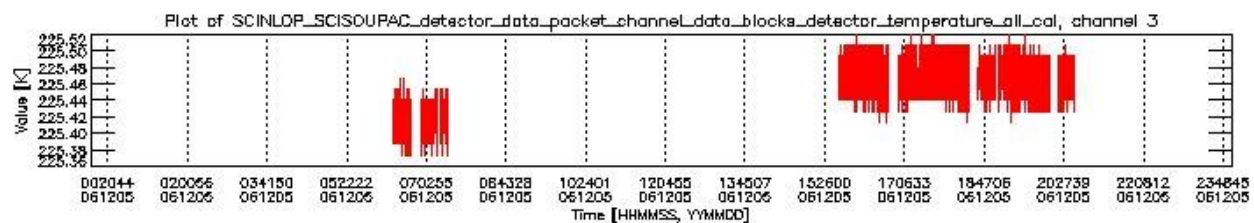
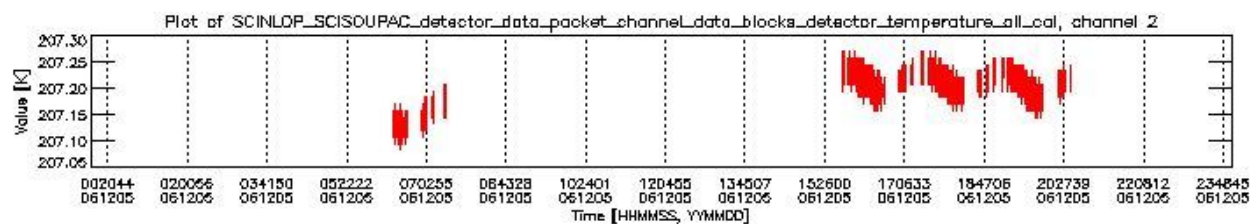
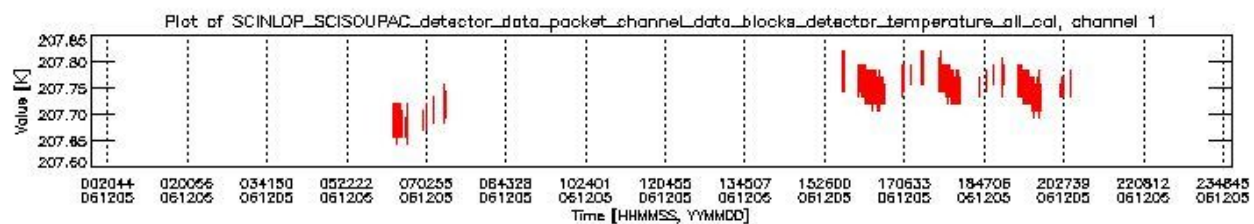
sciamachy_daily_report_level0_PFHS_5_37_N_20061205_1.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061205_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061205_3.PNG

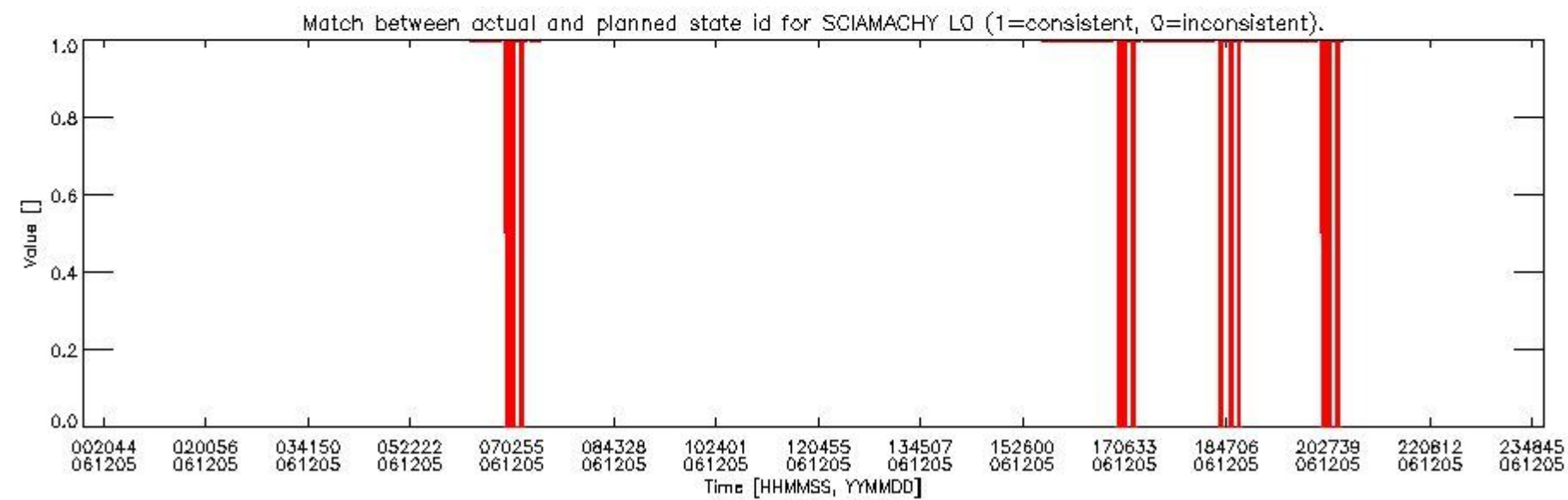
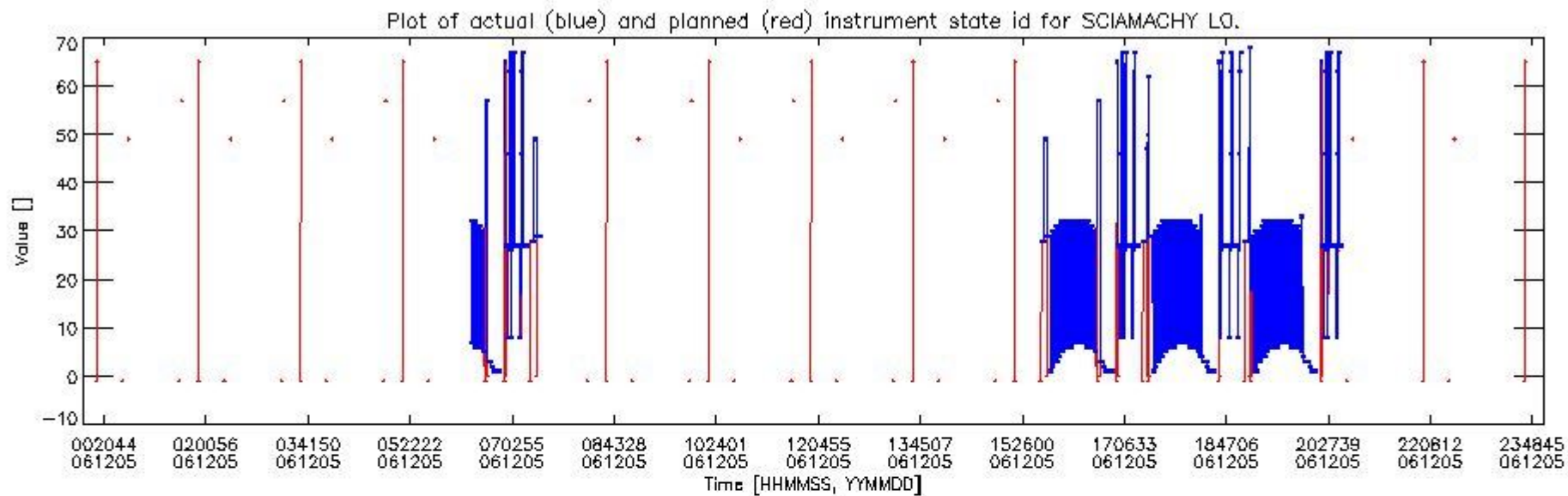


0.3 State monitoring

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: **71**

#	Actual time	Actual value	Planned time	Planned value
0	05DEC2006 06:56:10.336738	27	05DEC2006 06:56:10.336738	0
1	05DEC2006 06:58:22.508582	8	05DEC2006 06:58:22.508582	27
2	05DEC2006 06:59:06.067187	26	05DEC2006 06:59:06.067187	8
3	05DEC2006 06:59:39.625766	46	05DEC2006 06:59:39.625766	26
4	05DEC2006 06:59:53.188275	63	05DEC2006 06:59:53.188275	46
5	05DEC2006 07:00:26.746854	67	05DEC2006 07:00:26.746854	63
6	05DEC2006 07:01:50.305443	8	05DEC2006 07:01:50.305443	67
7	05DEC2006 07:02:33.867951	26	05DEC2006 07:02:33.867951	8
8	05DEC2006 07:03:07.426530	46	05DEC2006 07:03:07.426530	26
9	05DEC2006 07:03:20.985137	63	05DEC2006 07:03:20.985137	46
10	05DEC2006 07:03:54.543715	67	05DEC2006 07:03:54.543715	63
11	05DEC2006 07:05:18.102305	27	05DEC2006 07:05:18.102305	67
12	05DEC2006 07:10:26.512460	8	05DEC2006 07:10:26.512460	27
13	05DEC2006 07:11:10.074968	26	05DEC2006 07:11:10.074968	8
14	05DEC2006 07:11:43.633547	46	05DEC2006 07:11:43.633547	26
15	05DEC2006 07:11:57.192154	63	05DEC2006 07:11:57.192154	46
16	05DEC2006 07:12:30.750732	67	05DEC2006 07:12:30.750732	63
17	05DEC2006 07:13:54.313224	27	05DEC2006 07:13:54.313224	67
18	05DEC2006 16:59:47.092580	27	05DEC2006 16:59:47.092580	0
19	05DEC2006 17:01:59.272269	8	05DEC2006 17:01:59.272269	27
...

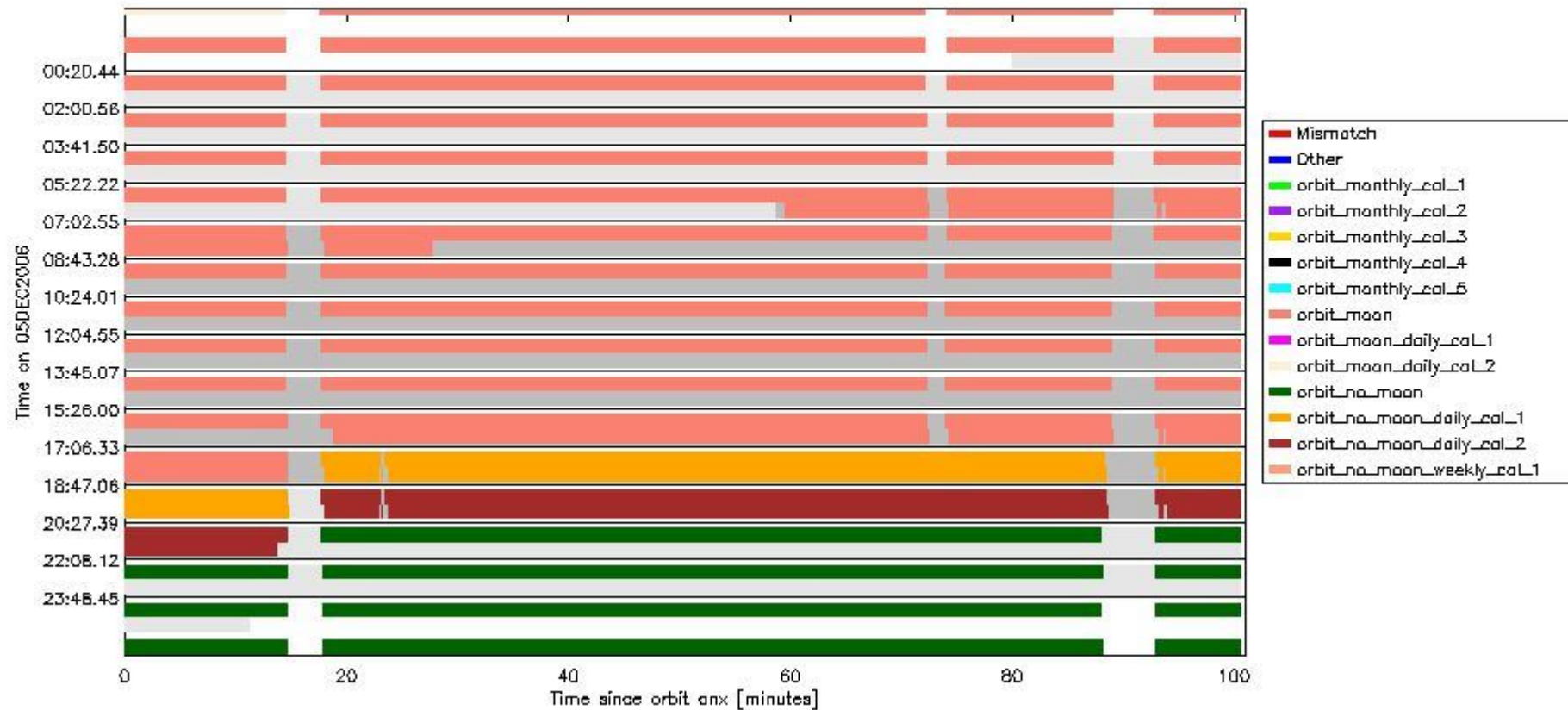


sciamachy_daily_report_level0_PFHS_5_37_N_20061205_5.PNG

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 05DEC2006.
 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_20061205_6.PNG

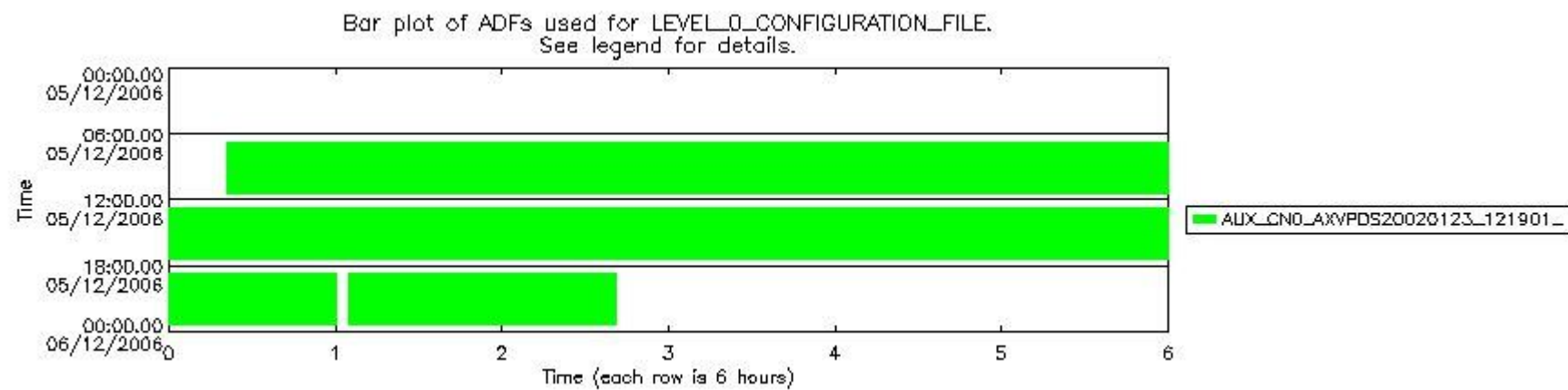
0.4 ADF monitoring

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

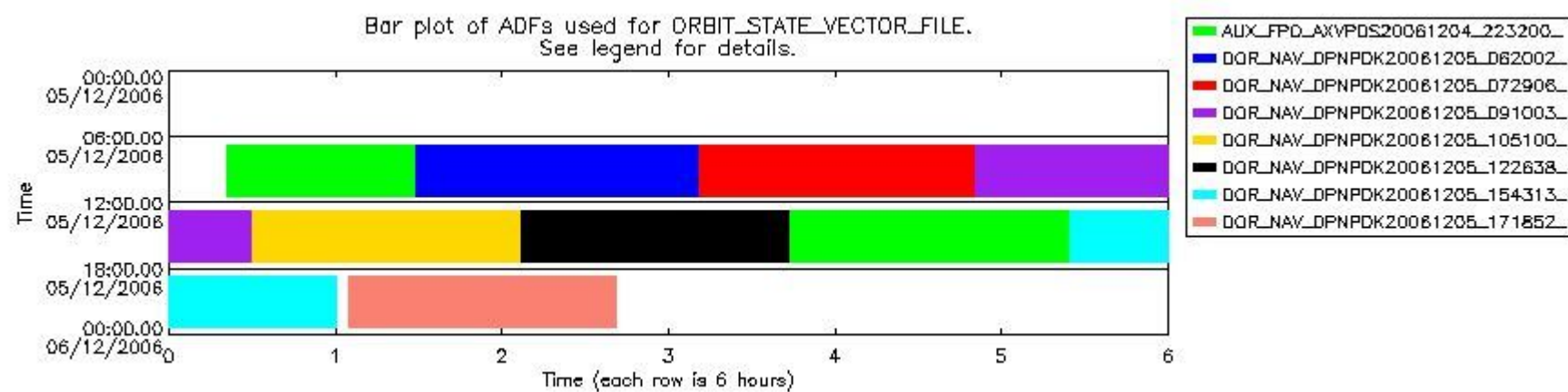
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

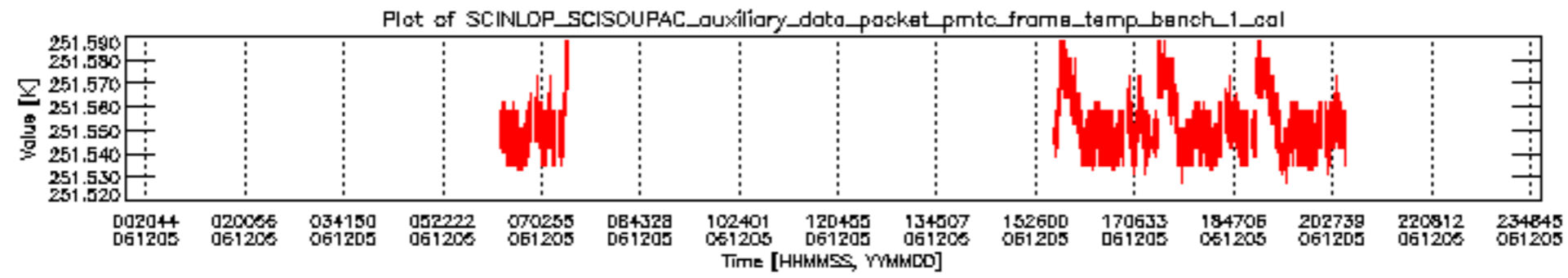
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20061204_223200_20061204_191842_20061214_204455
2	DOR_NAV_OPNPDK20061205_062002_000038252053_00306_24909_1576.N1
3	DOR_NAV_OPNPDK20061205_072906_000057382053_00307_24910_1577.N1
4	DOR_NAV_OPNPDK20061205_091003_000057382053_00308_24911_1578.N1
5	DOR_NAV_OPNPDK20061205_105100_000054192053_00309_24912_1579.N1
6	DOR_NAV_OPNPDK20061205_122638_000057382053_00310_24913_1580.N1
7	DOR_NAV_OPNPDK20061205_154313_000054192053_00312_24915_1582.N1
8	DOR_NAV_OPNPDK20061205_171852_000057382053_00313_24916_1583.N1

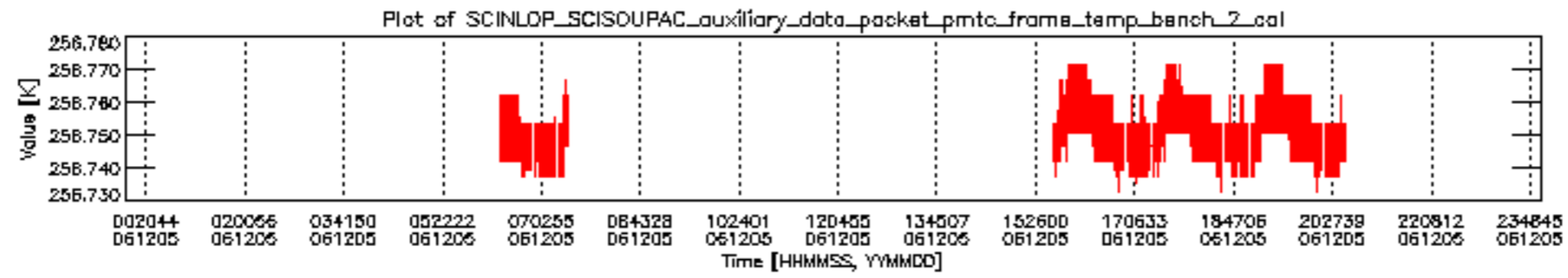


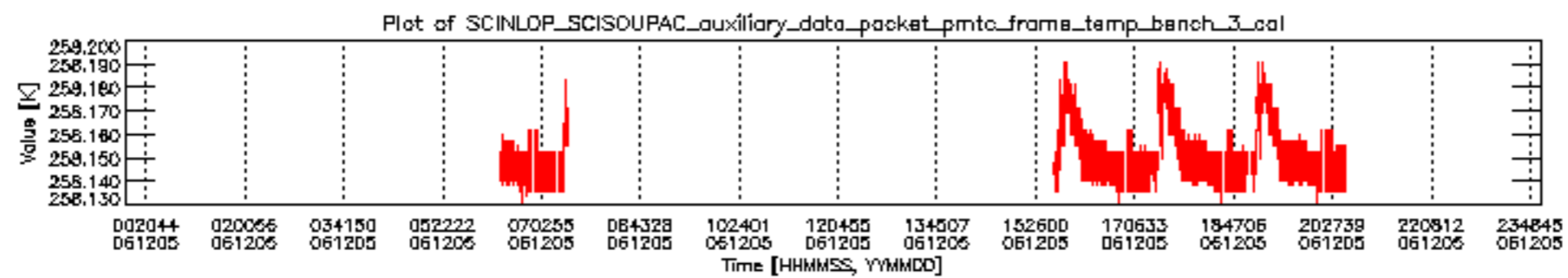
sciamachy_daily_report_level0_PPHS_5_37_N_20061205_7.PNG

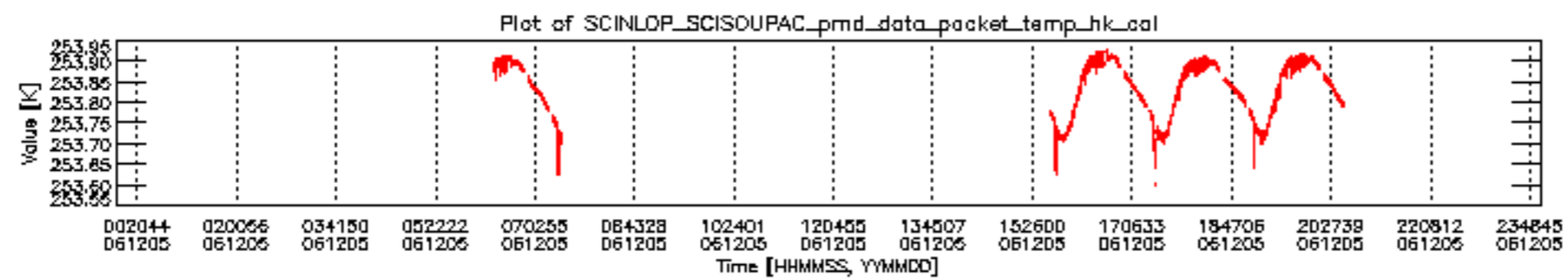


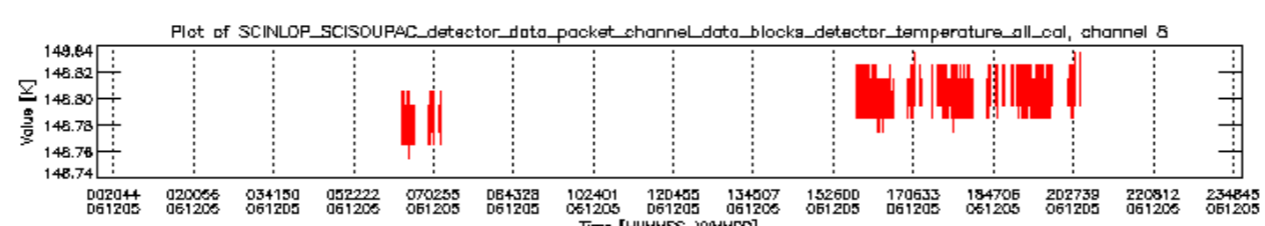
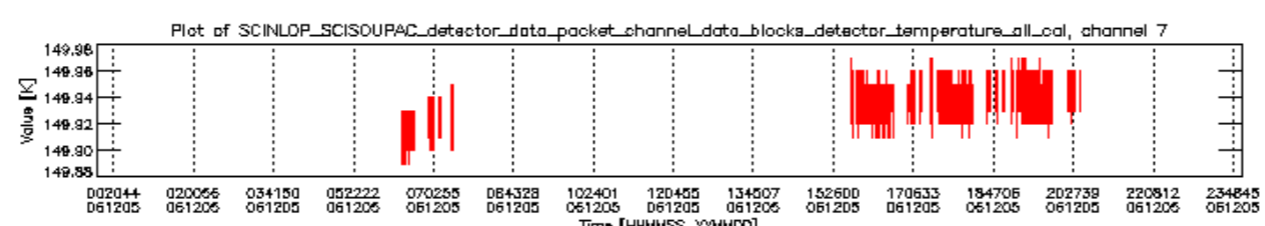
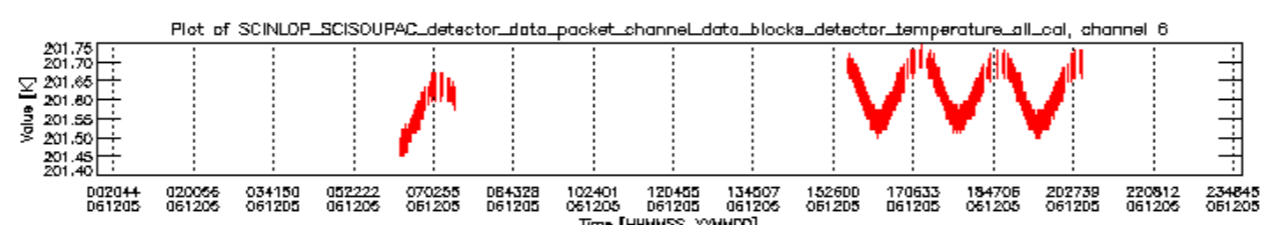
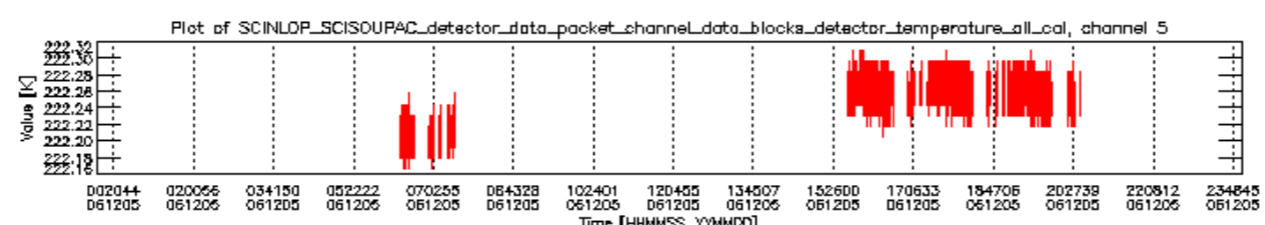
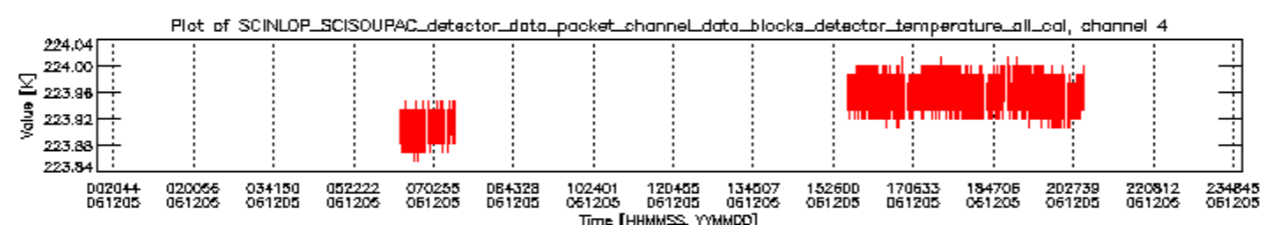
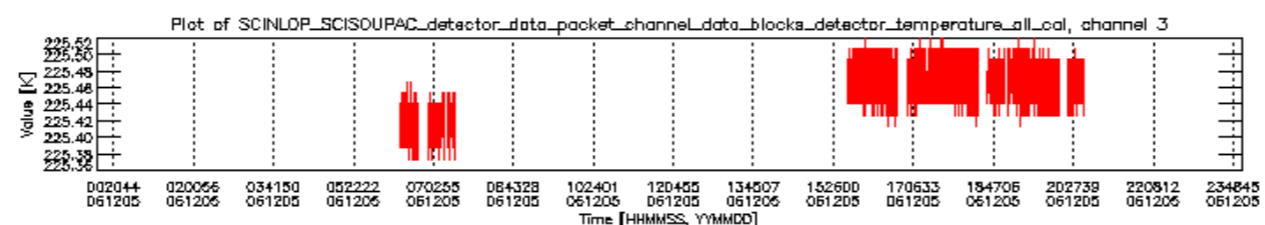
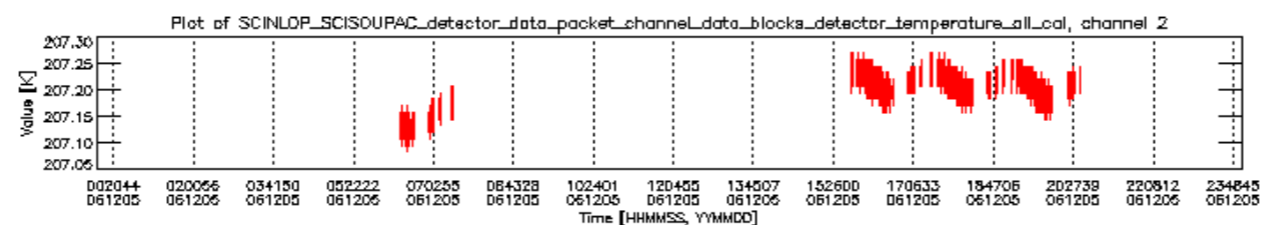
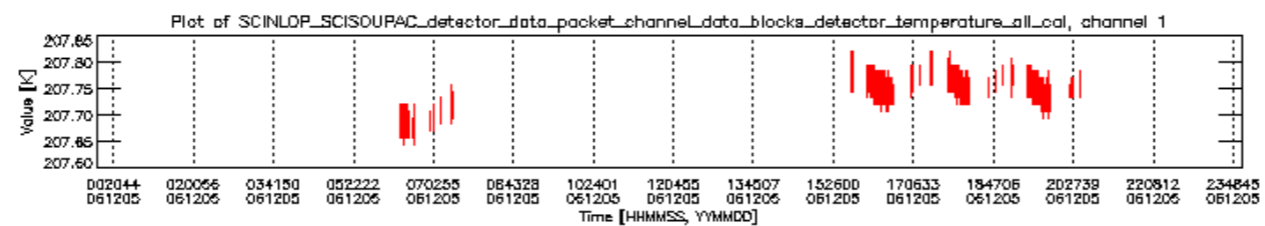
sciamachy_daily_report_level0_PPHS_5_37_N_20061205_8.PNG

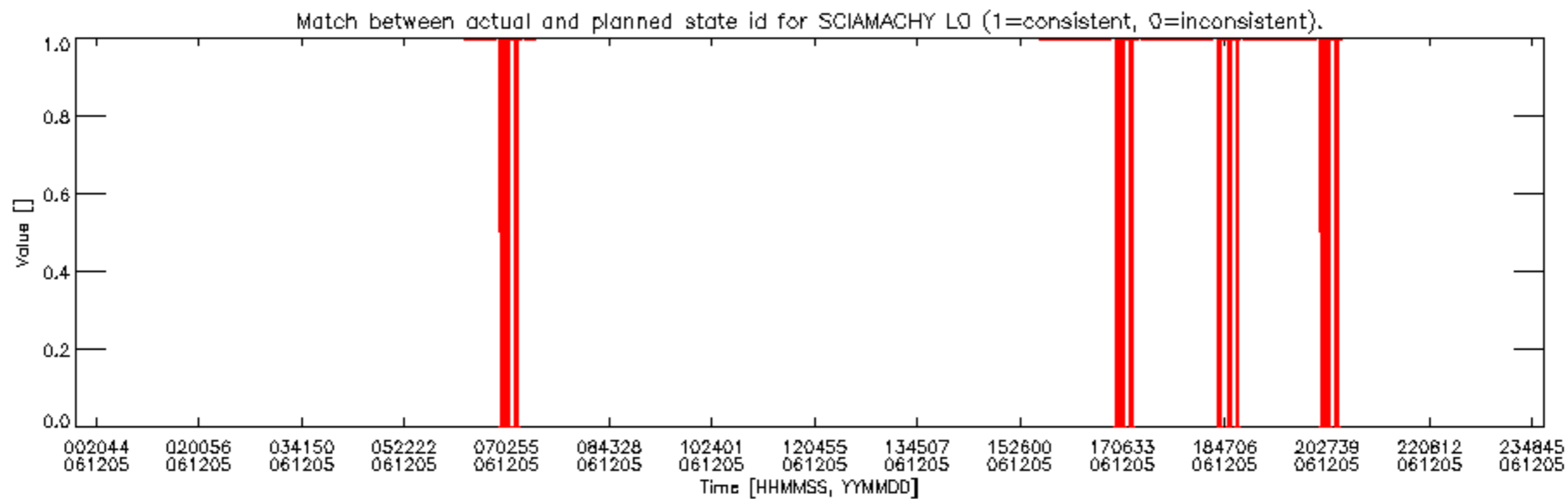
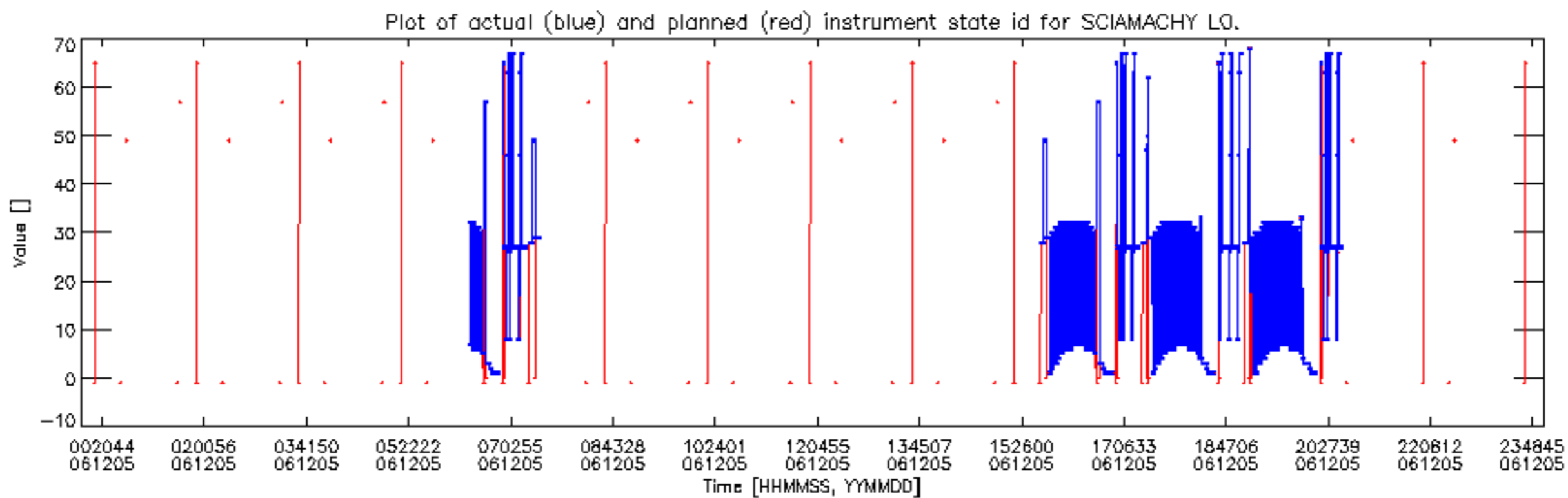












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 05DEC2006.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

