

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	25NOV2006 04:40:58
Data source version	PFHS/5.37-N
Processing scope for products	21NOV2006 00:00:00 to 22NOV2006 00:00:00
Start time of first product within scope	21NOV2006 07:02:45
Stop time of last product within scope	21NOV2006 19:40:25
Total number of level 0 products	8
Number of level 0 products with errors	8

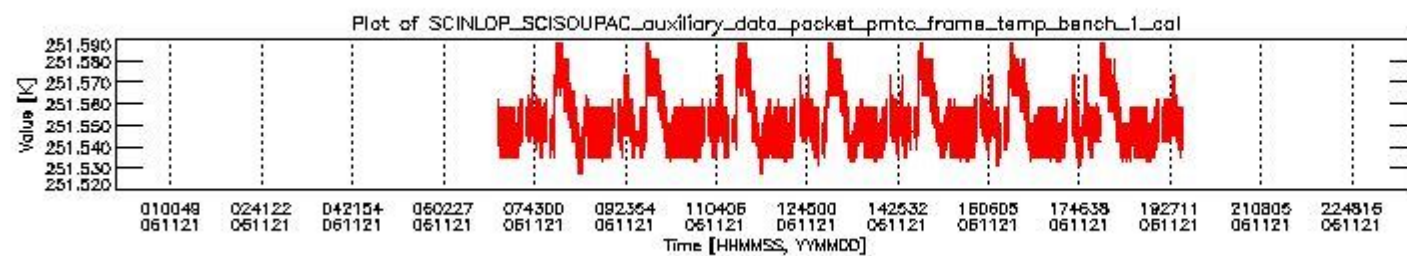
0.1.2 Summary per product

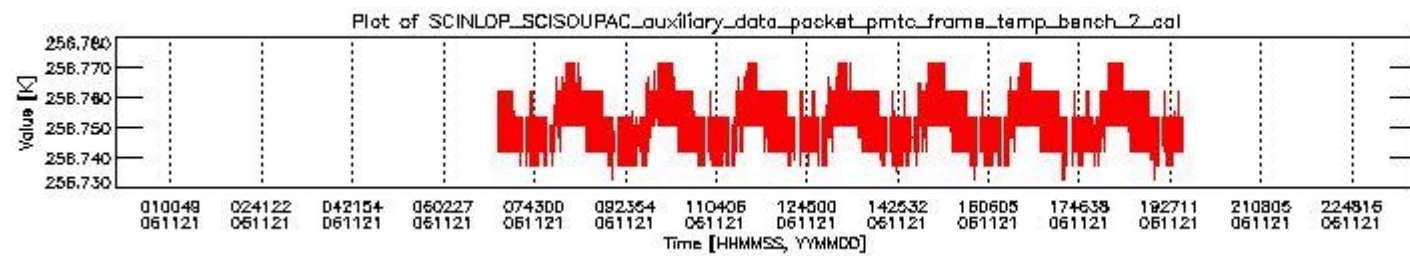
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20061121_070245_000040582053_00106_24709_1435.N1	21NOV2006 07:02:45	21NOV2006 08:10:23	1	0	1	0	0
1	SCI_NL__0PNPDK20061121_080914_000062162053_00107_24710_1436.N1	21NOV2006 08:09:14	21NOV2006 09:52:51	1	0	1	0	0
2	SCI_NL__0PNPDK20061121_095155_000059112053_00108_24711_1437.N1	21NOV2006 09:51:55	21NOV2006 11:30:26	1	0	1	0	0
3	SCI_NL__0PNPDK20061121_112931_000060922053_00109_24712_1438.N1	21NOV2006 11:29:31	21NOV2006 13:11:03	1	0	1	0	0
4	SCI_NL__0PNPDK20061121_131007_000059802053_00110_24713_1439.N1	21NOV2006 13:10:07	21NOV2006 14:49:47	1	0	1	0	0
5	SCI_NL__0PNPDK20061121_144851_000057292053_00111_24714_1440.N1	21NOV2006 14:48:51	21NOV2006 16:24:21	1	0	1	0	0
6	SCI_NL__0PNPDK20061121_162325_000060922053_00112_24715_1441.N1	21NOV2006 16:23:25	21NOV2006 18:04:57	1	0	1	0	0
7	SCI_NL__0PNPDK20061121_180401_000057832053_00113_24716_1442.N1	21NOV2006 18:04:01	21NOV2006 19:40:25	1	0	1	0	0

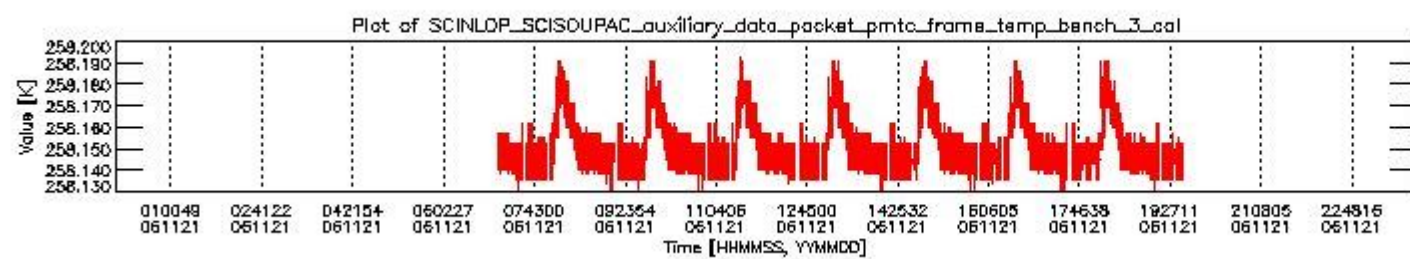
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

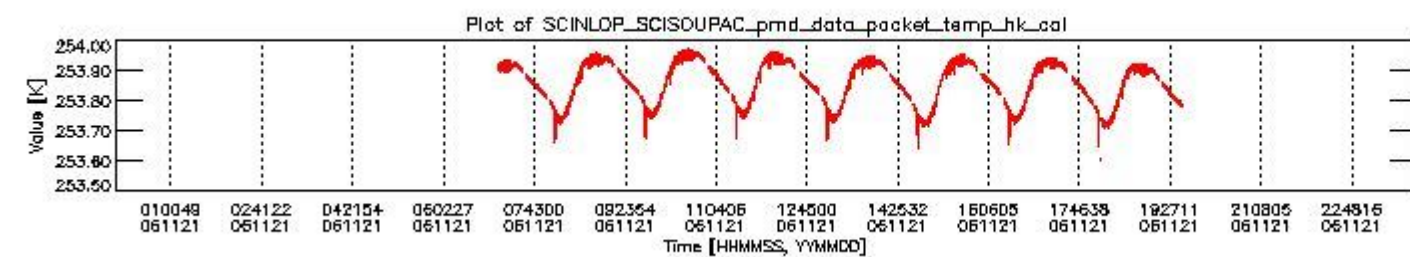




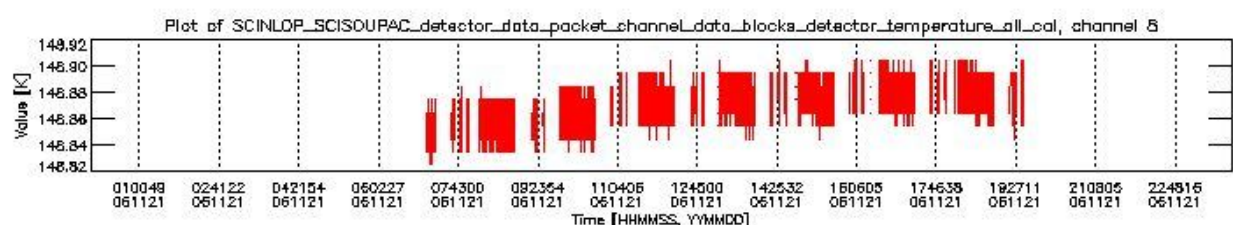
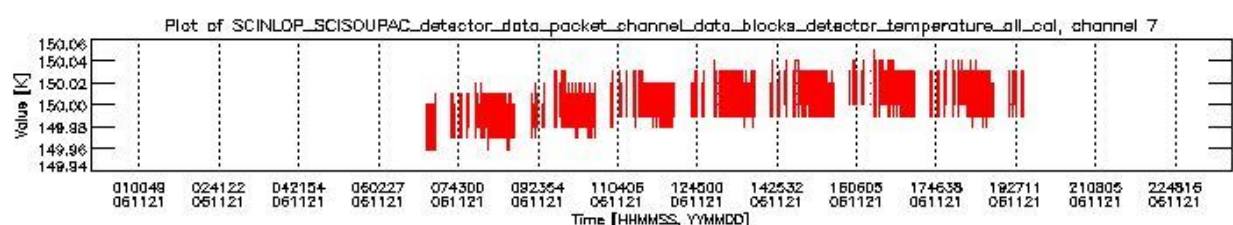
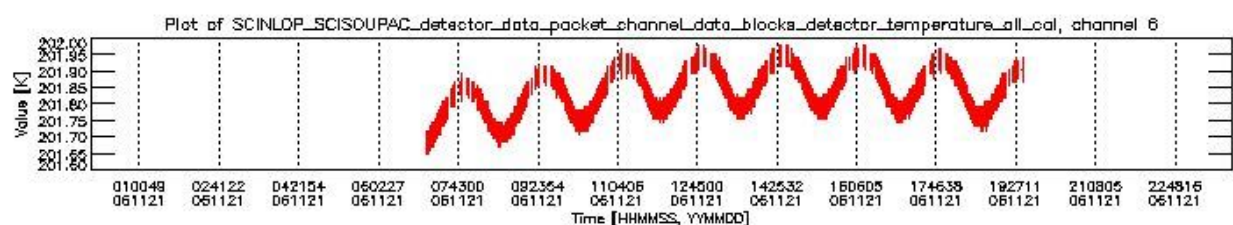
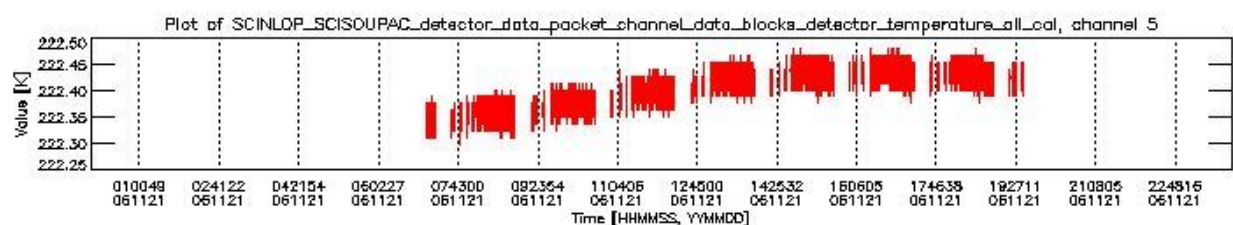
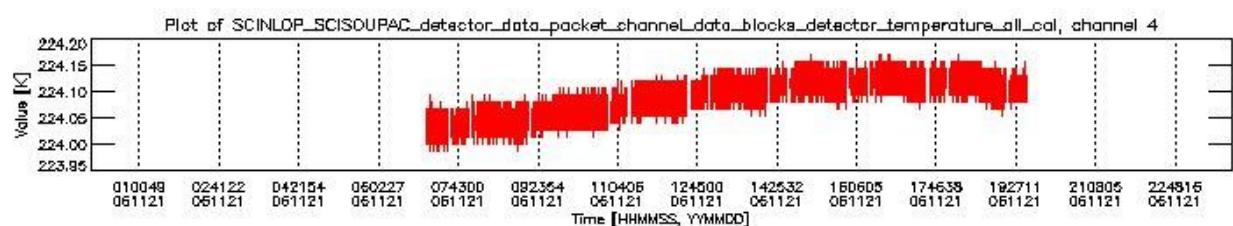
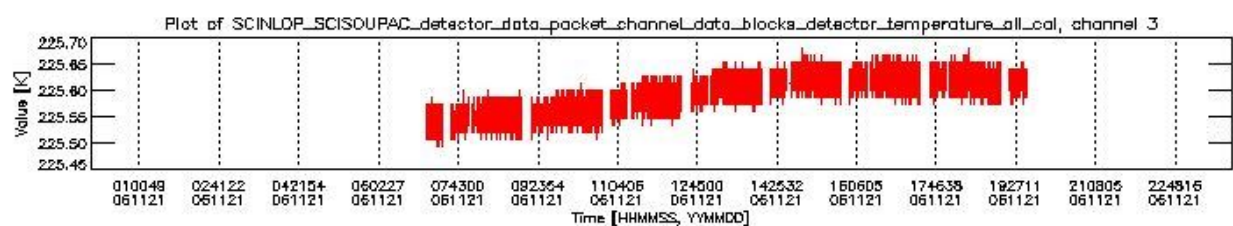
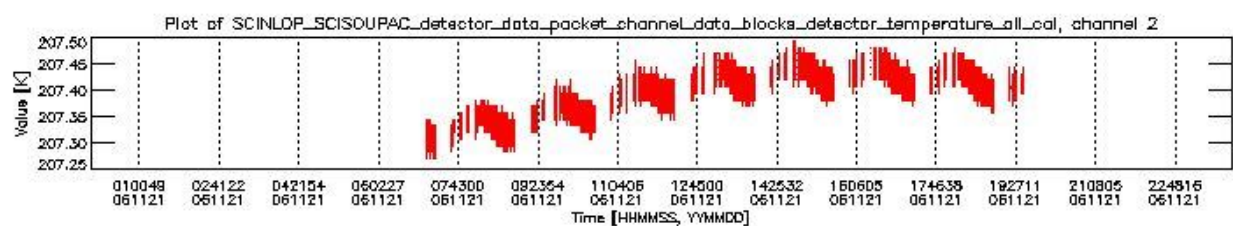
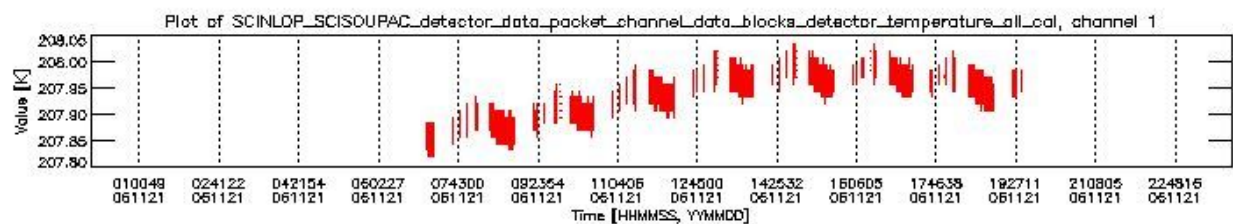
sciamachy_daily_report_level0_PFHS_5_37_N_20061121_1.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061121_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061121_3.PNG

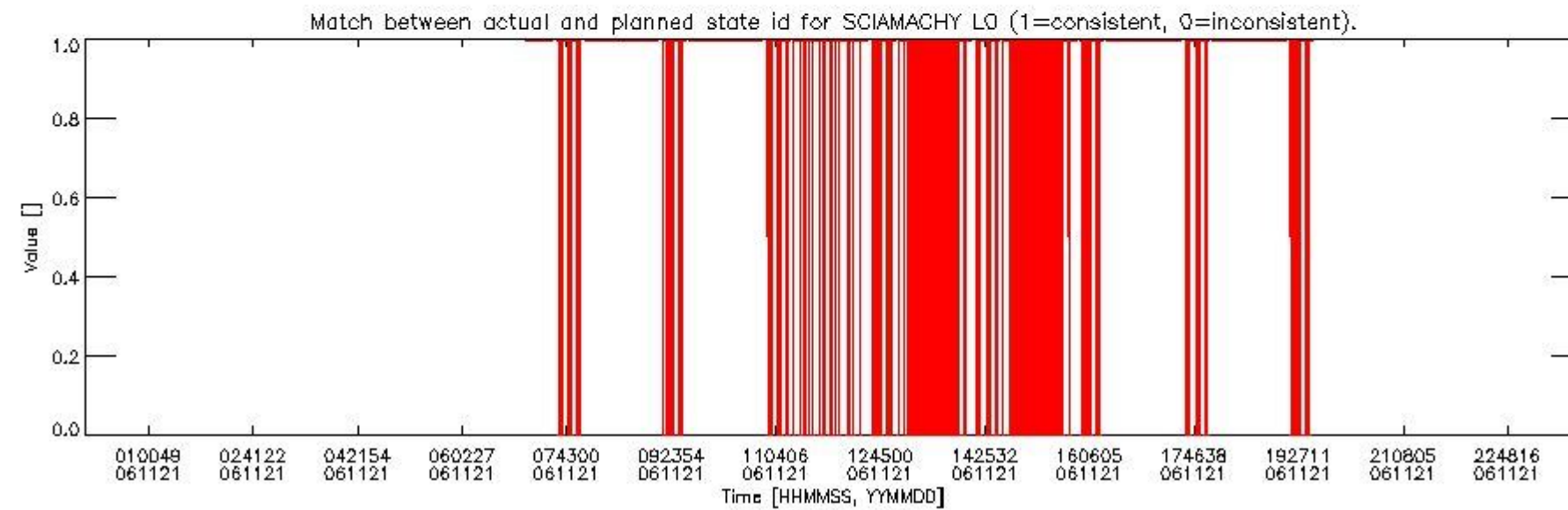
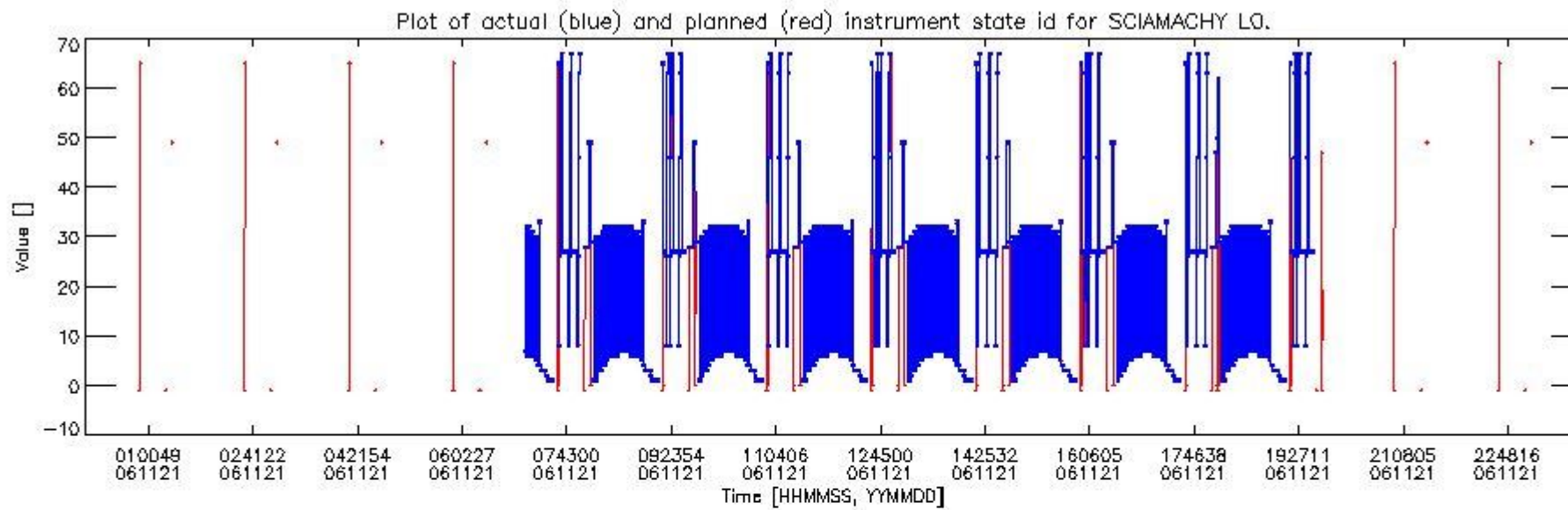


0.3 State monitoring

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: **304**

#	Actual time	Actual value	Planned time	Planned value
0	21NOV2006 07:35:31.237954	8	21NOV2006 07:35:31.237954	0
1	21NOV2006 07:36:14.792656	26	21NOV2006 07:36:14.792656	8
2	21NOV2006 07:36:48.355138	46	21NOV2006 07:36:48.355138	26
3	21NOV2006 07:37:01.913745	63	21NOV2006 07:37:01.913745	46
4	21NOV2006 07:37:35.472323	67	21NOV2006 07:37:35.472323	63
5	21NOV2006 07:37:35.722332	67	21NOV2006 07:37:35.722332	63
6	21NOV2006 07:38:59.030913	27	21NOV2006 07:38:59.030913	67
7	21NOV2006 07:44:51.503553	8	21NOV2006 07:44:51.503553	27
8	21NOV2006 07:45:35.058215	26	21NOV2006 07:45:35.058215	8
9	21NOV2006 07:46:08.616834	46	21NOV2006 07:46:08.616834	26
10	21NOV2006 07:46:22.179344	63	21NOV2006 07:46:22.179344	46
11	21NOV2006 07:46:55.737922	67	21NOV2006 07:46:55.737922	63
12	21NOV2006 07:46:55.987931	67	21NOV2006 07:46:55.987931	63
13	21NOV2006 07:48:19.300414	27	21NOV2006 07:48:19.300414	67
14	21NOV2006 07:53:27.710570	8	21NOV2006 07:53:27.710570	27
15	21NOV2006 07:54:11.269135	26	21NOV2006 07:54:11.269135	8
16	21NOV2006 07:54:44.823811	46	21NOV2006 07:54:44.823811	26
17	21NOV2006 07:54:58.386320	63	21NOV2006 07:54:58.386320	46
18	21NOV2006 07:55:31.944939	67	21NOV2006 07:55:31.944939	63
19	21NOV2006 07:55:32.194908	67	21NOV2006 07:55:32.194908	63

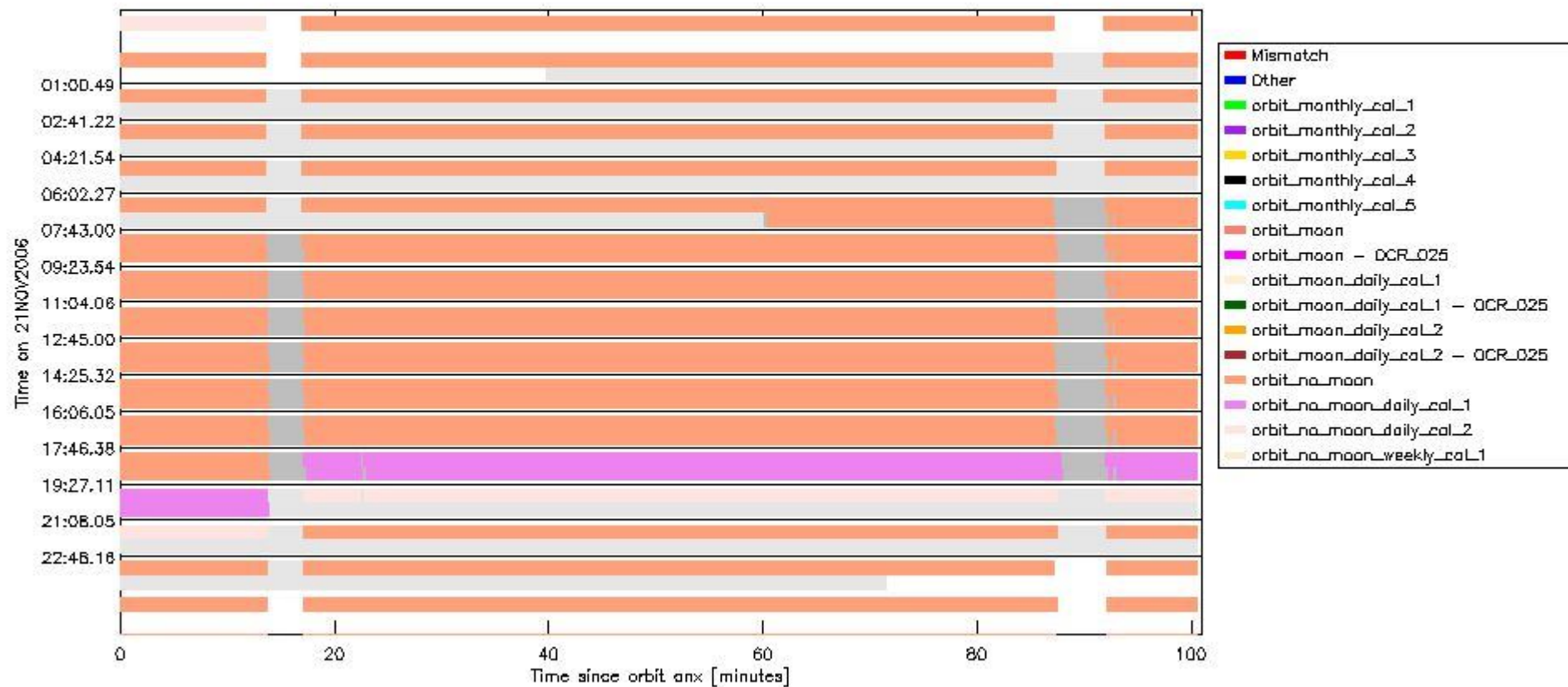


sciamachy_daily_report_level0_PFHS_5_37_N_20061121_5.PNG

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 21NOV2006.
 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_20061121_6.PNG

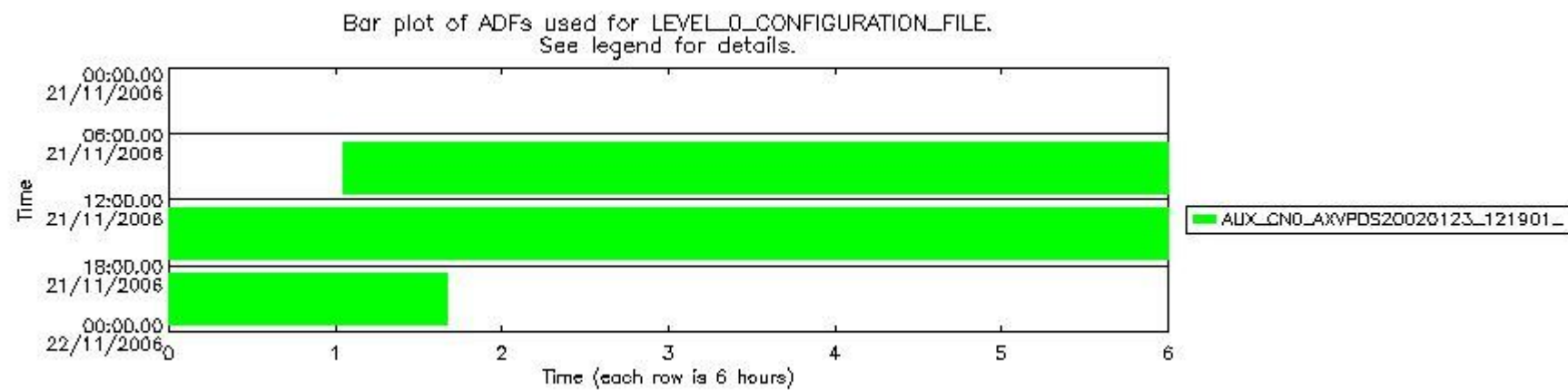
0.4 ADF monitoring

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

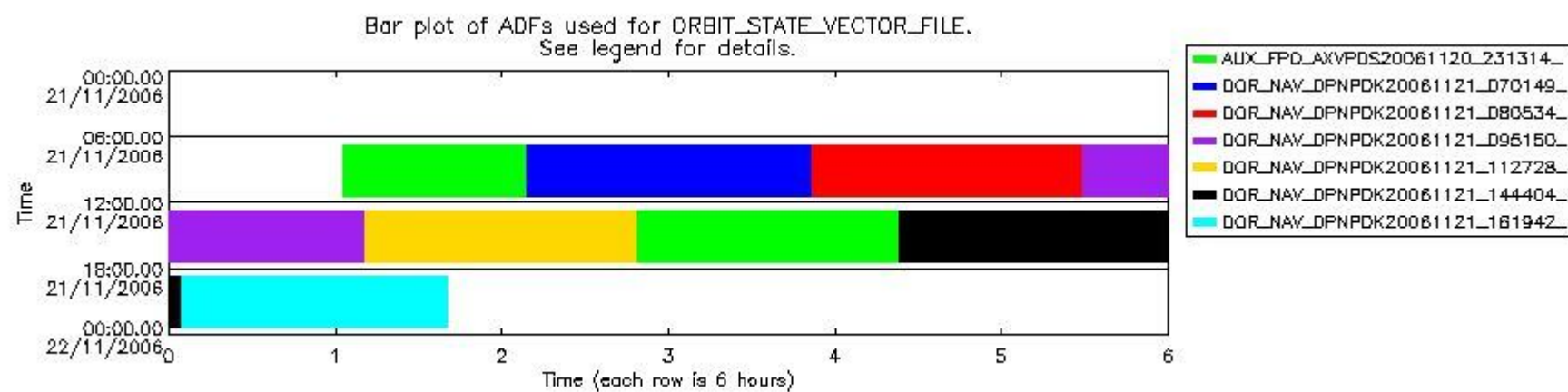
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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_AXVPDS20061120_231314_20061120_195856_20061130_212510
2	DOR_NAV_OPNPDK20061121_070149_000038252053_00106_24709_1463.N1
3	DOR_NAV_OPNPDK20061121_080534_000060572053_00107_24710_1464.N1
4	DOR_NAV_OPNPDK20061121_095150_000054192053_00108_24711_1465.N1
5	DOR_NAV_OPNPDK20061121_112728_000057382053_00109_24712_1466.N1
6	DOR_NAV_OPNPDK20061121_144404_000054192053_00111_24714_1468.N1
7	DOR_NAV_OPNPDK20061121_161942_000057382053_00112_24715_1469.N1



sciamachy_daily_report_level0_PFHS_5_37_N_20061121_7.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061121_8.PNG

