

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	02OCT2006 12:58:55
Data source version	PFHS/5.37-N
Processing scope for products	23SEP2006 00:00:00 to 24SEP2006 00:00:00
Start time of first product within scope	22SEP2006 22:19:24
Stop time of last product within scope	24SEP2006 01:11:19
Total number of level 0 products	17
Number of level 0 products with errors	17

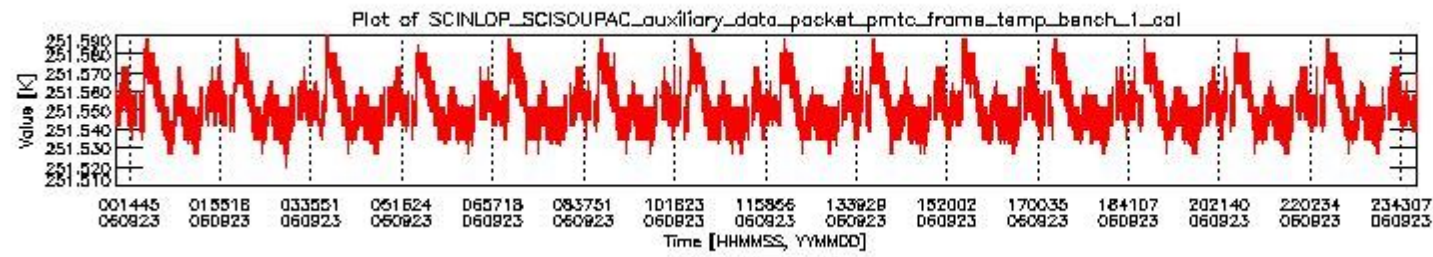
0.1.2 Summary per product

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

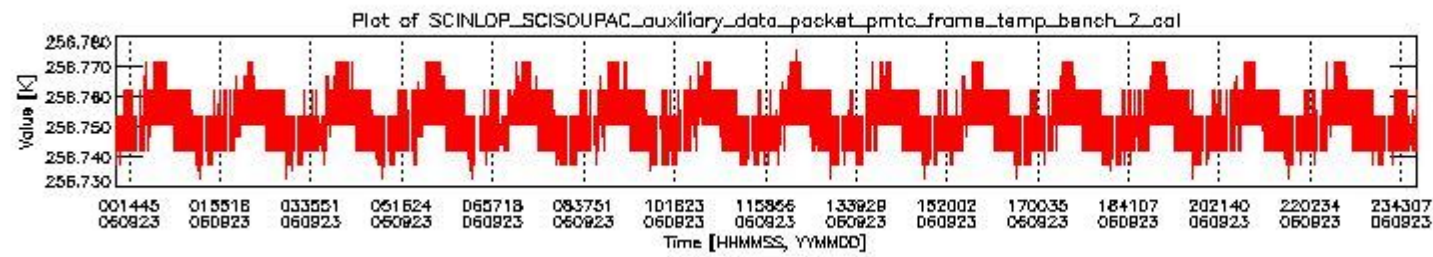
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20060922_221924_000061702051_00258_23859_0649.N1	22SEP2006 22:19:24	23SEP2006 00:02:15	1	0	1	0	0
1	SCI_NL__OPNPDE20060923_000128_000055962051_00259_23860_0650.N1	23SEP2006 00:01:28	23SEP2006 01:34:44	1	0	1	0	0
2	SCI_NL__OPNPDE20060923_014037_000044312051_00260_23861_0651.N1	23SEP2006 01:40:37	23SEP2006 02:54:29	1	0	1	0	0
3	SCI_NL__OPNPDE20060923_025320_000061732051_00261_23862_0652.N1	23SEP2006 02:53:20	23SEP2006 04:36:14	1	0	1	0	0
4	SCI_NL__OPNPDE20060923_043505_000060922051_00262_23863_0653.N1	23SEP2006 04:35:05	23SEP2006 06:16:37	1	0	1	0	0
5	SCI_NL__OPNPDK20060923_061542_000041702051_00263_23864_0797.N1	23SEP2006 06:15:42	23SEP2006 07:25:12	1	0	1	0	0
6	SCI_NL__OPNPDK20060923_072512_000060922051_00264_23865_0798.N1	23SEP2006 07:25:12	23SEP2006 09:06:44	1	0	1	0	0
7	SCI_NL__OPNPDK20060923_090548_000060362051_00265_23866_0799.N1	23SEP2006 09:05:48	23SEP2006 10:46:25	1	0	1	0	0
8	SCI_NL__OPNPDK20060923_104529_000058992051_00266_23867_0800.N1	23SEP2006 10:45:29	23SEP2006 12:23:48	1	0	1	0	0
9	SCI_NL__OPNPDK20060923_122252_000059802051_00267_23868_0801.N1	23SEP2006 12:22:52	23SEP2006 14:02:33	1	0	1	0	0
10	SCI_NL__OPNPDK20060923_140028_000058562051_00268_23869_0802.N1	23SEP2006 14:00:28	23SEP2006 15:38:04	1	0	1	0	0
11	SCI_NL__OPNPDK20060923_153709_000060162051_00269_23870_0803.N1	23SEP2006 15:37:09	23SEP2006 17:17:25	1	0	1	0	0
12	SCI_NL__OPNPDK20060923_171527_000061942051_00270_23871_0804.N1	23SEP2006 17:15:27	23SEP2006 18:58:42	1	0	1	0	0
13	SCI_NL__OPNPDK20060923_185604_000060362051_00271_23872_0805.N1	23SEP2006 18:56:04	23SEP2006 20:36:40	1	0	1	0	0
14	SCI_NL__OPNPDE20060923_203640_000044062051_00272_23873_0656.N1	23SEP2006 20:36:40	23SEP2006 21:50:07	1	0	1	0	0
15	SCI_NL__OPNPDE20060923_214839_000061272051_00272_23873_0660.N1	23SEP2006 21:48:39	23SEP2006 23:30:46	1	0	1	0	0
16	SCI_NL__OPNPDE20060923_232959_000060802051_00273_23874_0657.N1	23SEP2006 23:29:59	24SEP2006 01:11:19	1	0	1	0	0

0.2 Product Quality Indicators

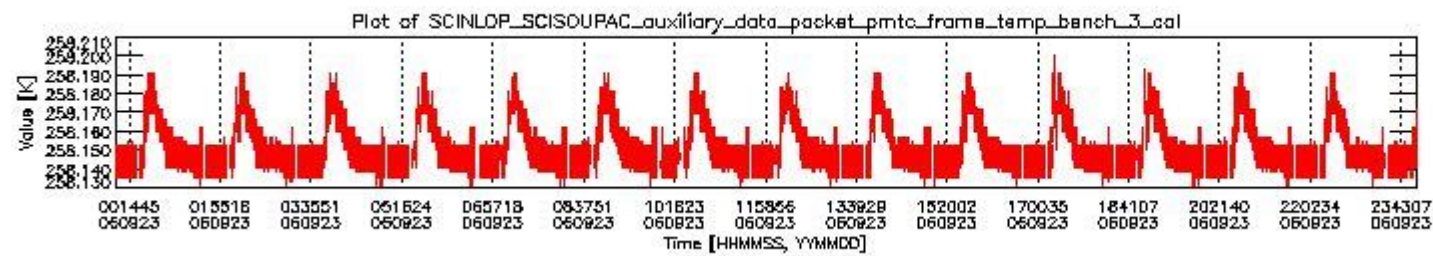
This section shows information about product quality, currently temperatures.



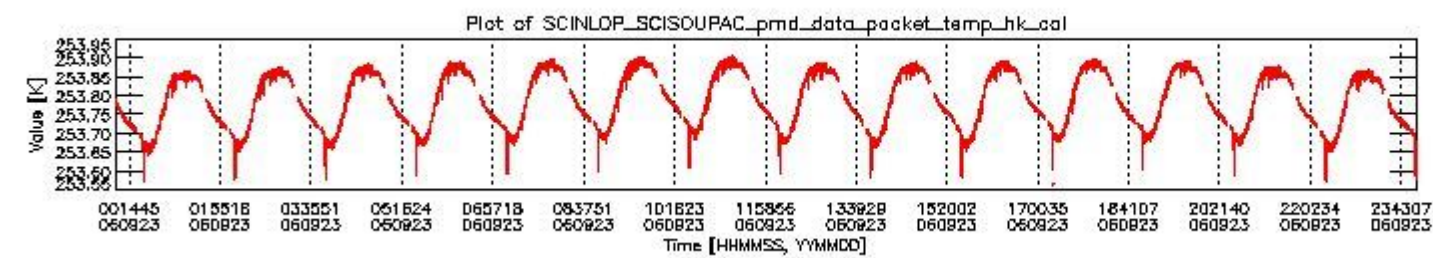
sciamachy_daily_report_level0_PFHS_5_37_N_20060923_0.PNG



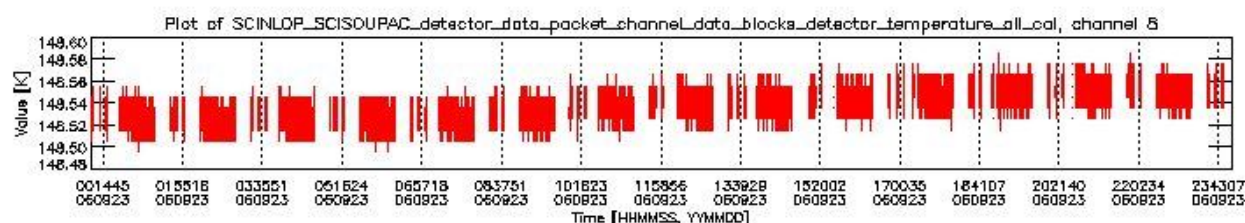
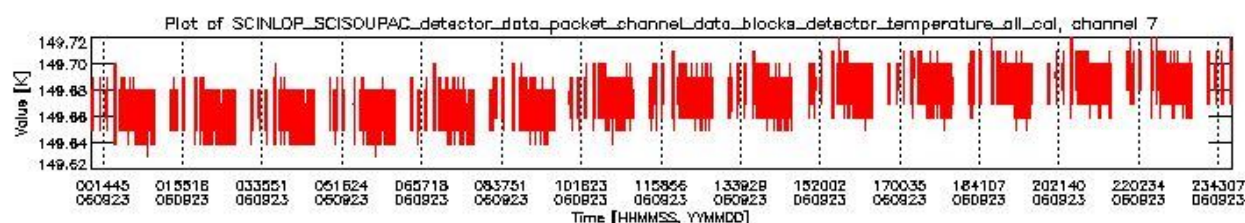
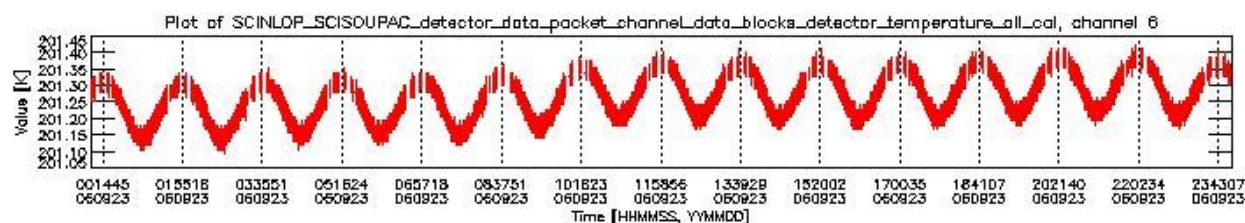
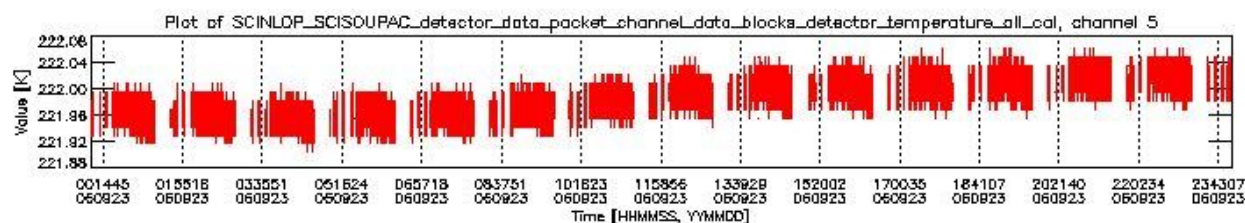
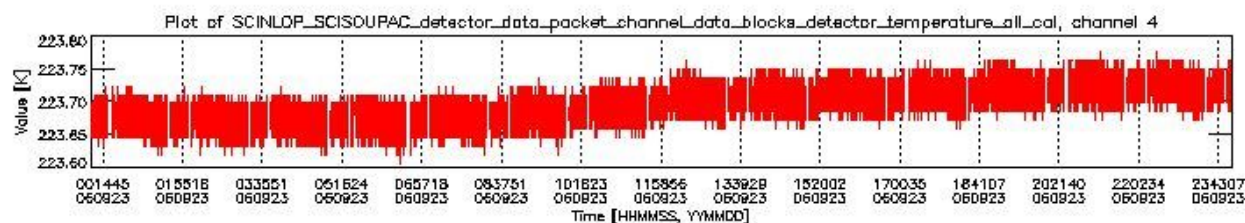
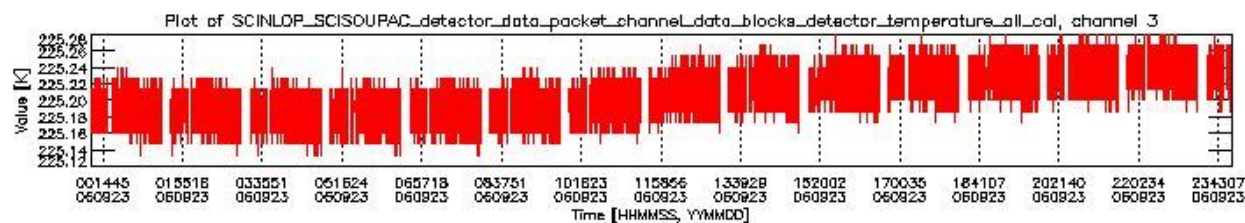
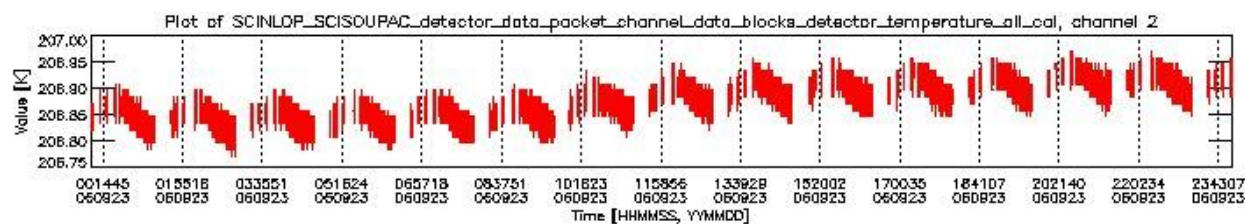
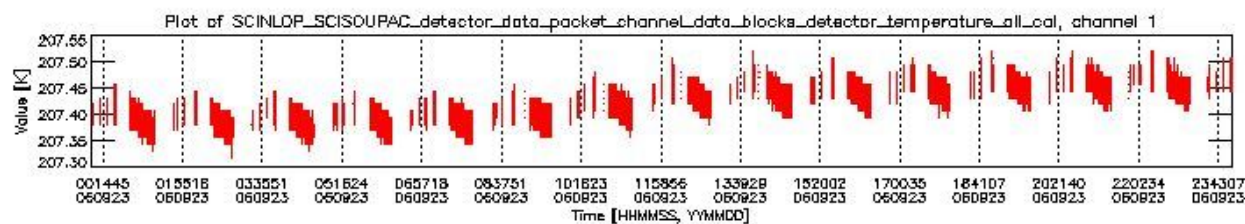
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sciamachy_daily_report_level0_PFHS_5_37_N_20060923_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20060923_3.PNG

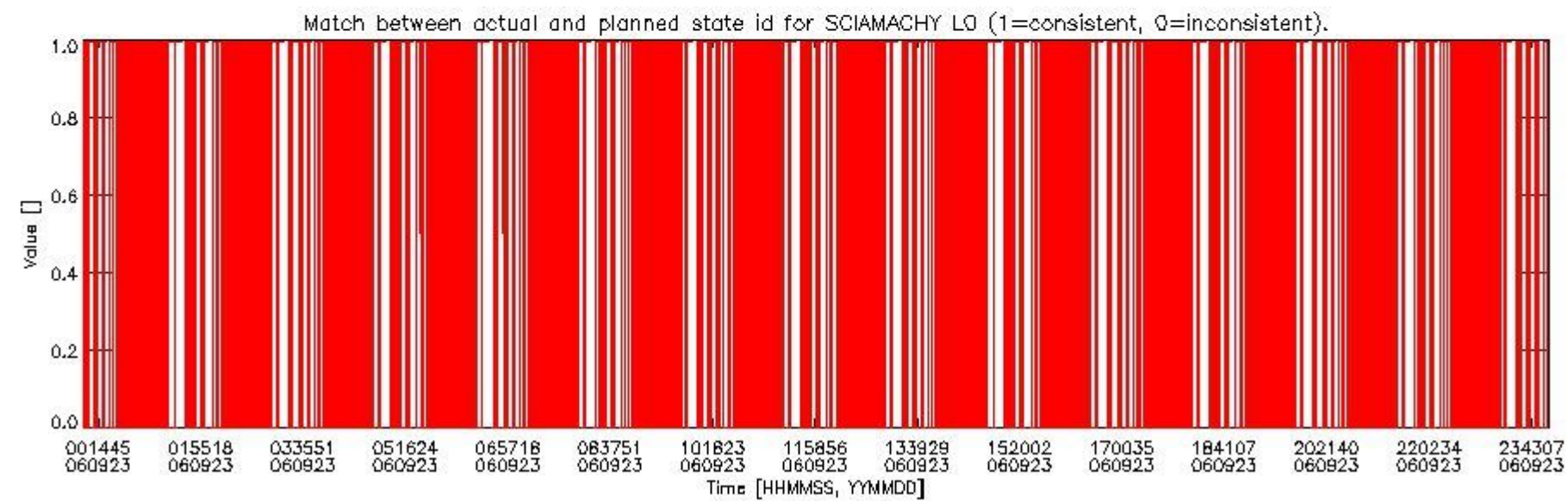
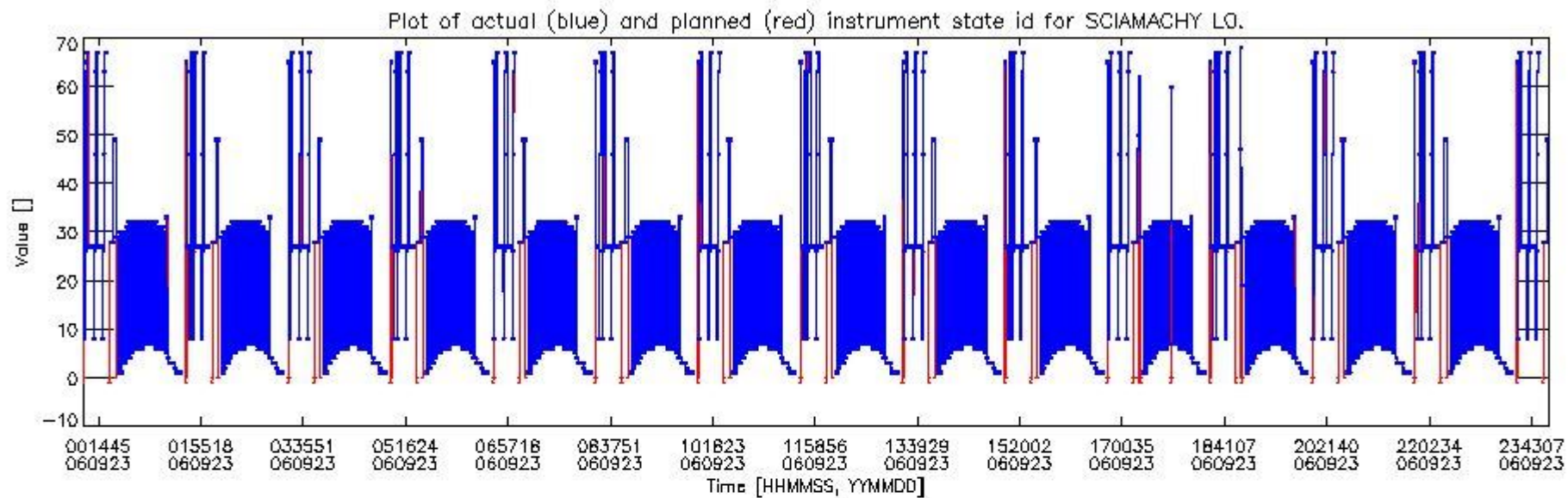


0.3 State monitoring

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: **11310**

#	Actual time	Actual value	Planned time	Planned value
0	23SEP2006 00:00:01.157628	65	23SEP2006 00:00:01.157628	0
1	23SEP2006 00:00:01.782650	65	23SEP2006 00:00:01.782650	0
2	23SEP2006 00:00:44.911525	8	23SEP2006 00:00:44.911525	0
3	23SEP2006 00:00:46.036524	8	23SEP2006 00:00:46.036524	0
4	23SEP2006 00:00:47.036558	8	23SEP2006 00:00:47.036558	0
5	23SEP2006 00:01:28.470130	26	23SEP2006 00:01:28.470130	8
6	23SEP2006 00:01:29.095151	26	23SEP2006 00:01:29.095151	8
7	23SEP2006 00:01:29.595129	26	23SEP2006 00:01:29.595129	8
8	23SEP2006 00:01:30.095146	26	23SEP2006 00:01:30.095146	8
9	23SEP2006 00:01:30.595123	26	23SEP2006 00:01:30.595123	8
10	23SEP2006 00:01:31.095141	26	23SEP2006 00:01:31.095141	8
11	23SEP2006 00:02:02.024806	46	23SEP2006 00:02:02.024806	26
12	23SEP2006 00:02:02.649828	46	23SEP2006 00:02:02.649828	26
13	23SEP2006 00:02:03.149805	46	23SEP2006 00:02:03.149805	26
14	23SEP2006 00:02:03.649822	46	23SEP2006 00:02:03.649822	26
15	23SEP2006 00:02:04.149799	46	23SEP2006 00:02:04.149799	26
16	23SEP2006 00:02:04.649817	46	23SEP2006 00:02:04.649817	26
17	23SEP2006 00:02:15.583413	63	23SEP2006 00:02:15.583413	46
18	23SEP2006 00:02:16.208394	63	23SEP2006 00:02:16.208394	46
19	23SEP2006 00:02:16.708412	63	23SEP2006 00:02:16.708412	46
...

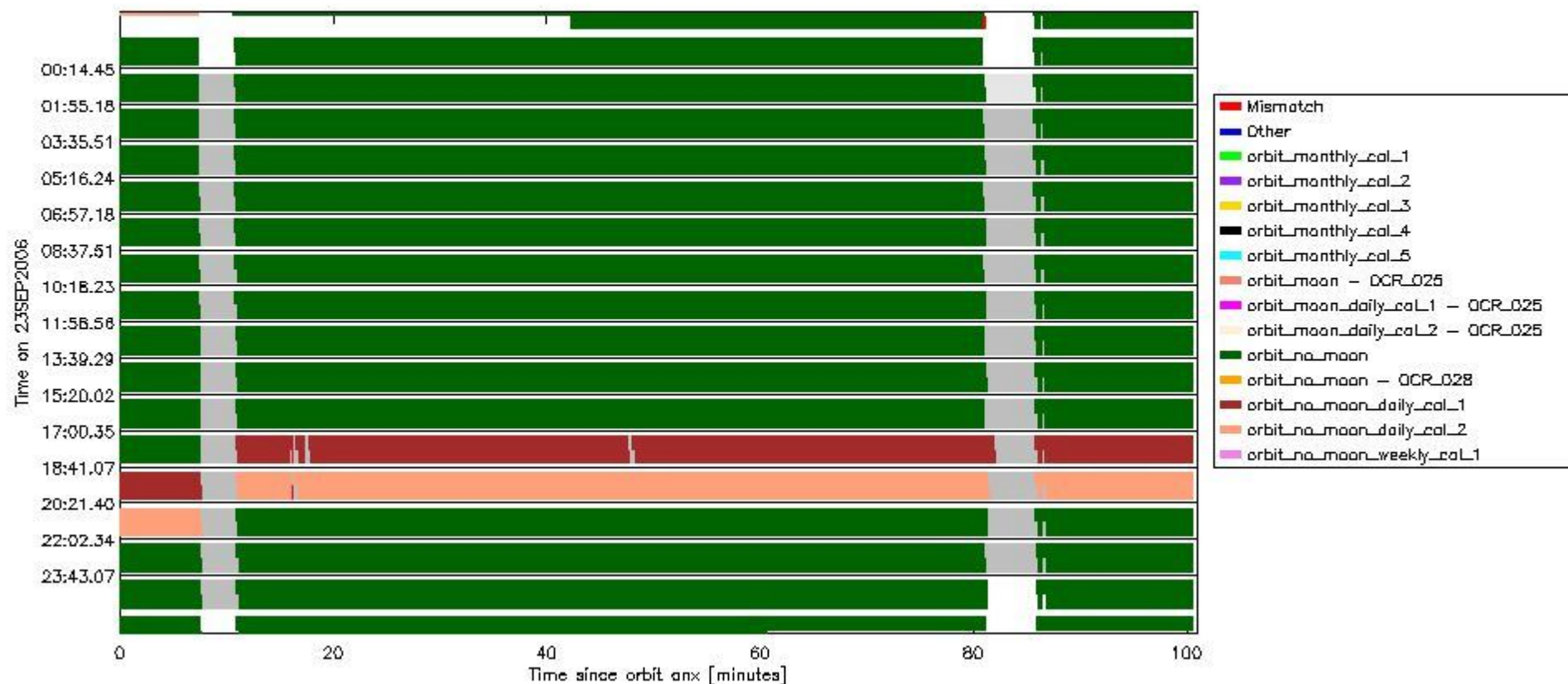


sciamachy_daily_report_level0_PFHS_5_37_N_20060923_5.PNG

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 23SEP2006.
 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_PFH5_5_37_N_20060923_6.PNG

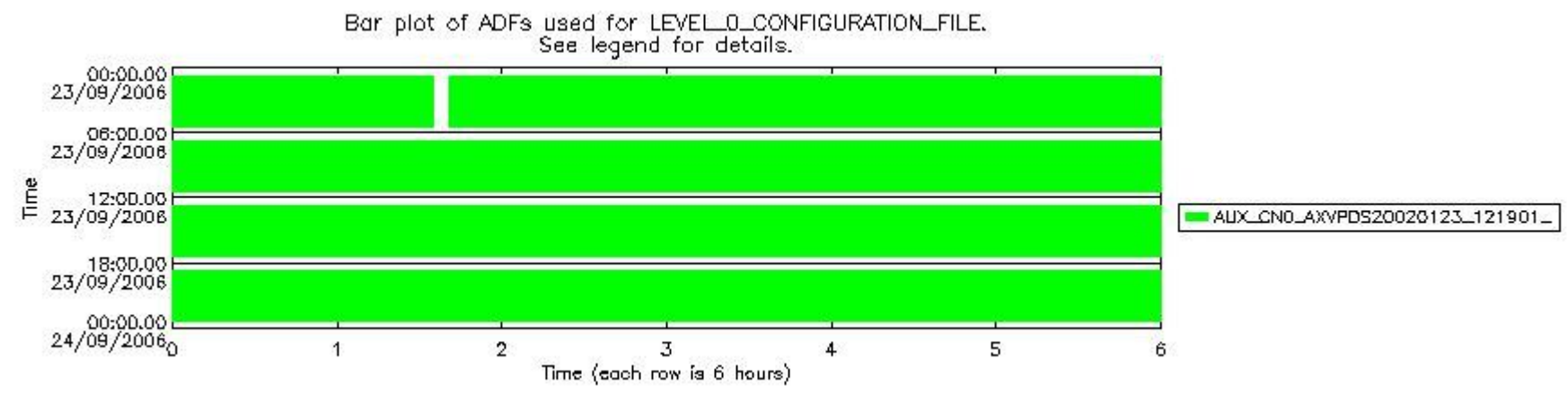
0.4 ADF monitoring

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

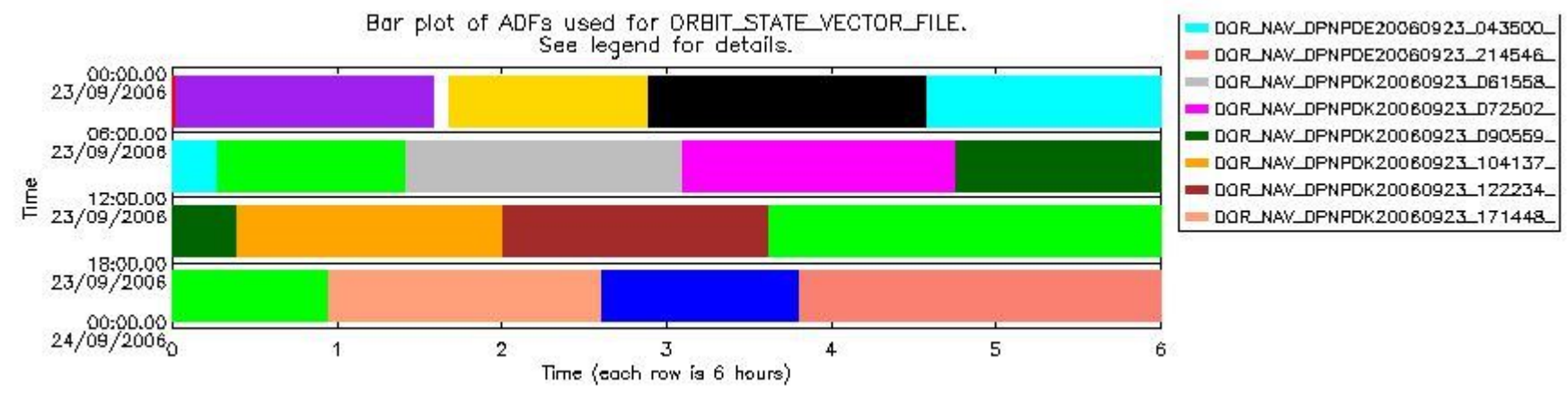
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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_AXVPDS20060923_000920_20060922_191254_20061002_203910
2	AUX_FPO_AXVPDS20060923_001003_20060922_191254_20061002_203910
3	DOR_NAV_OPNPDE20060922_210323_000041442051_00258_23859_0616.N1
4	DOR_NAV_OPNPDE20060922_221746_000057382051_00258_23859_0617.N1
5	DOR_NAV_OPNPDE20060922_235843_000057382051_00259_23860_0618.N1
6	DOR_NAV_OPNPDE20060923_025403_000057382051_00261_23862_0620.N1
7	DOR_NAV_OPNPDE20060923_043500_000057382051_00262_23863_0621.N1
8	DOR_NAV_OPNPDE20060923_214546_000057382051_00272_23873_0623.N1
9	DOR_NAV_OPNPDK20060923_061558_000038252051_00263_23864_0830.N1
10	DOR_NAV_OPNPDK20060923_072502_000057382051_00264_23865_0831.N1
11	DOR_NAV_OPNPDK20060923_090559_000054192051_00265_23866_0832.N1
12	DOR_NAV_OPNPDK20060923_104137_000057382051_00266_23867_0833.N1
13	DOR_NAV_OPNPDK20060923_122234_000054192051_00267_23868_0834.N1
14	DOR_NAV_OPNPDK20060923_171448_000057382051_00270_23871_0837.N1



sciamachy_daily_report_level0_PFHS_5_37_N_20060923_7.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20060923_8.PNG

