

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	10SEP2008 05:21:54
Data source version	KSPT_L0/4303-N
Processing scope for products	06SEP2008 00:00:00 to 07SEP2008 00:00:00
Start time of first product within scope	05SEP2008 23:20:23
Stop time of last product within scope	07SEP2008 00:31:08
Total number of level 0 products	17
Number of level 0 products with errors	2

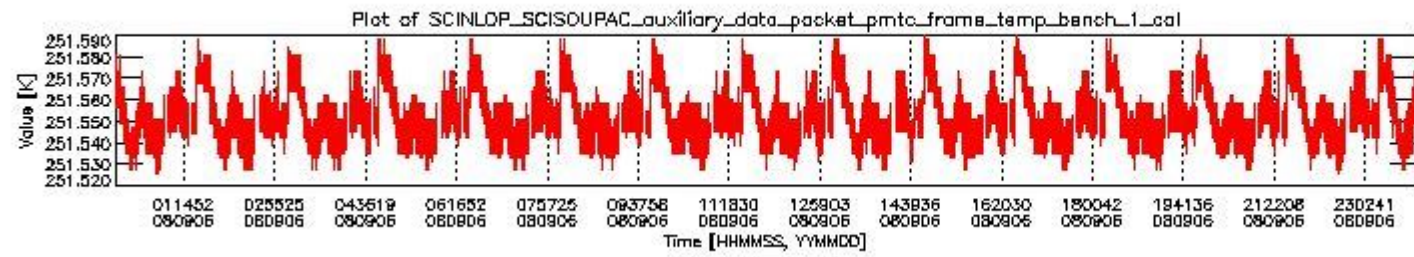
0.1.2 Summary per product

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

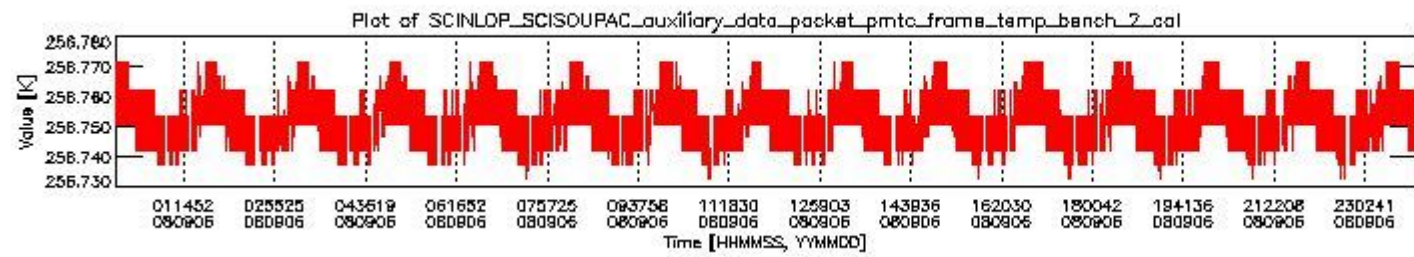
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080905_232023_000062522071_00459_34080_7455.N1	05SEP2008 23:20:23	06SEP2008 01:04:35	0	0	0	0	0
1	SCI_NL__OPNPDE20080906_010312_000046282071_00460_34081_7456.N1	06SEP2008 01:03:12	06SEP2008 02:20:19	0	0	0	0	0
2	SCI_NL__OPNPDE20080906_021911_000058002071_00461_34082_7457.N1	06SEP2008 02:19:11	06SEP2008 03:55:51	0	0	0	0	0
3	SCI_NL__OPNPDE20080906_035442_000061612071_00462_34083_7458.N1	06SEP2008 03:54:42	06SEP2008 05:37:23	0	0	0	0	0
4	SCI_NL__OPNPDE20080906_053723_000060372071_00463_34084_7459.N1	06SEP2008 05:37:23	06SEP2008 07:18:00	0	0	0	0	0
5	SCI_NL__OPNPDK20080906_071800_000039772071_00464_34085_9262.N1	06SEP2008 07:18:00	06SEP2008 08:24:17	0	0	0	0	0
6	SCI_NL__OPNPDK20080906_082321_000062292071_00465_34086_9263.N1	06SEP2008 08:23:21	06SEP2008 10:07:10	0	0	0	0	0
7	SCI_NL__OPNPDK20080906_100710_000059682071_00466_34087_9264.N1	06SEP2008 10:07:10	06SEP2008 11:46:38	0	0	0	0	0
8	SCI_NL__OPNPDK20080906_114530_000059802071_00467_34088_9265.N1	06SEP2008 11:45:30	06SEP2008 13:25:10	0	0	0	0	0
9	SCI_NL__OPNPDK20080906_132414_000059682071_00468_34089_9266.N1	06SEP2008 13:24:14	06SEP2008 15:03:42	0	0	0	0	0
10	SCI_NL__OPNPDK20080906_150234_000058562071_00469_34090_9267.N1	06SEP2008 15:02:34	06SEP2008 16:40:10	0	0	0	0	0
11	SCI_NL__OPNPDK20080906_163805_000034792071_00470_34091_9268.N1	06SEP2008 16:38:05	06SEP2008 17:36:04	1	1	0	0	0
12	SCI_NL__OPNPDK20080906_173604_000025772071_00470_34091_9269.N1	06SEP2008 17:36:04	06SEP2008 18:19:02	0	0	0	0	0
13	SCI_NL__OPNPDK20080906_181806_000059812071_00471_34092_9270.N1	06SEP2008 18:18:06	06SEP2008 19:57:46	1	1	0	0	0
14	SCI_NL__OPNPDE20080906_195610_000041592071_00472_34093_7460.N1	06SEP2008 19:56:10	06SEP2008 21:05:29	0	0	0	0	0
15	SCI_NL__OPNPDE20080906_210529_000063762071_00472_34093_7461.N1	06SEP2008 21:05:29	06SEP2008 22:51:45	0	0	0	0	0
16	SCI_NL__OPNPDE20080906_225101_000060072071_00473_34094_7462.N1	06SEP2008 22:51:01	07SEP2008 00:31:08	0	0	0	0	0

0.2 Product Quality Indicators

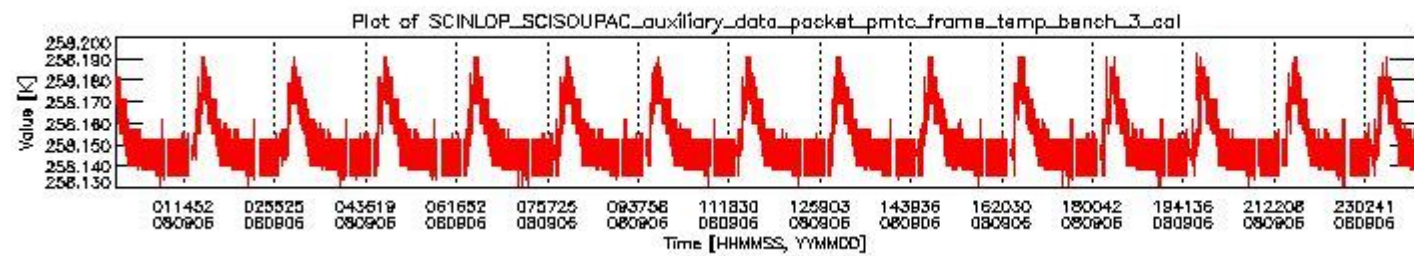
This section shows information about product quality, currently temperatures.



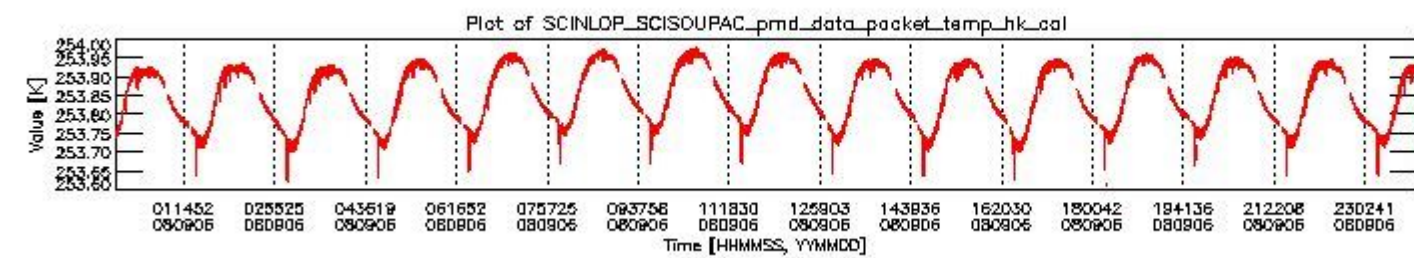
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080906_0.PNG



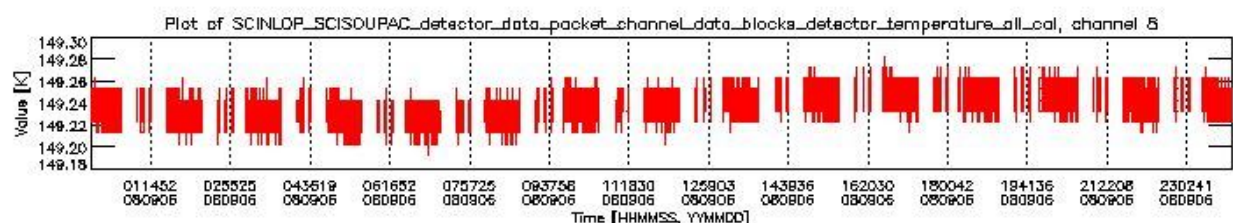
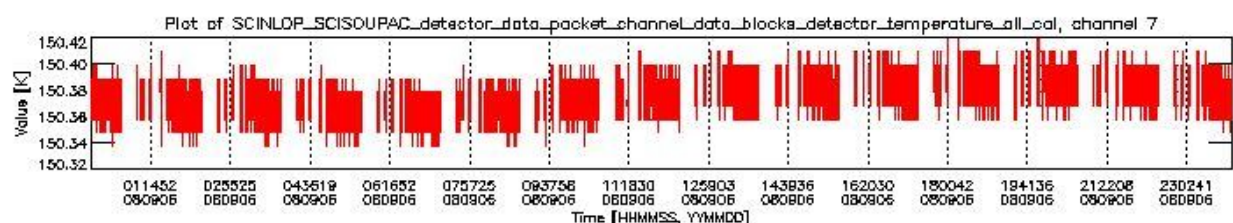
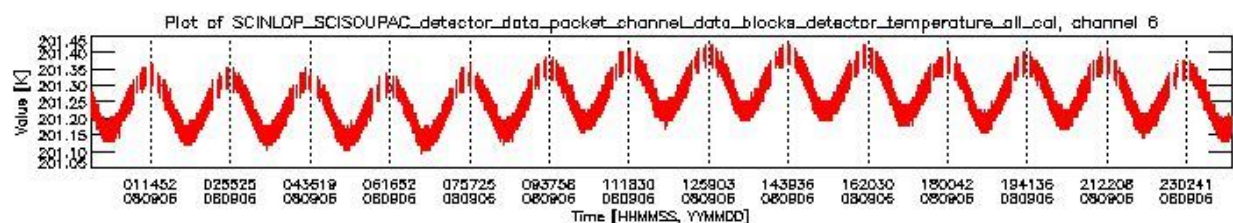
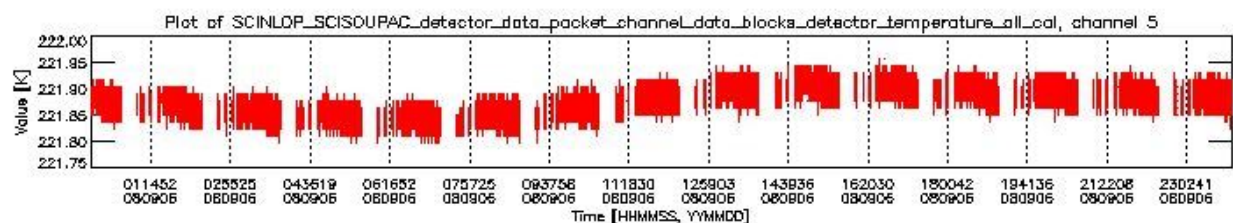
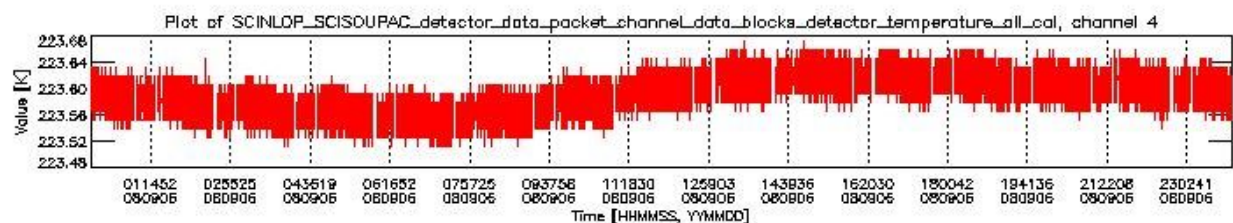
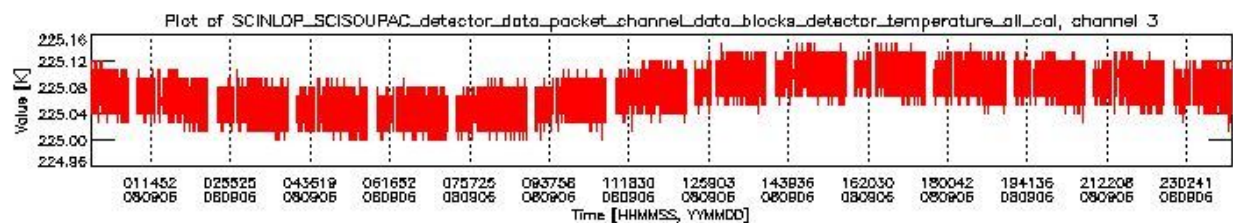
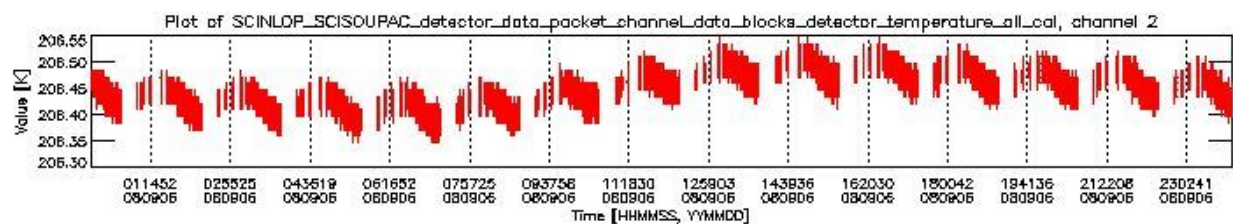
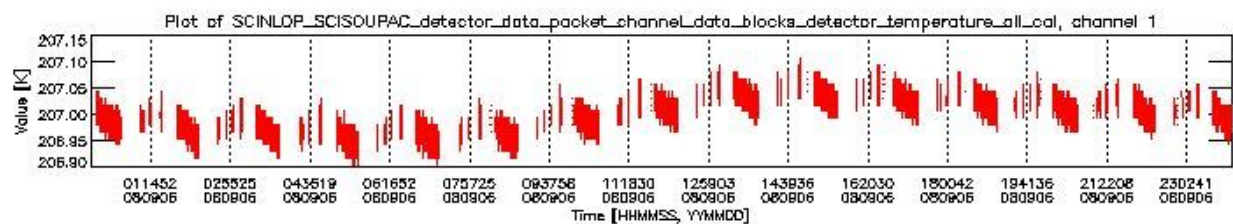
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080906_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080906_3.PNG

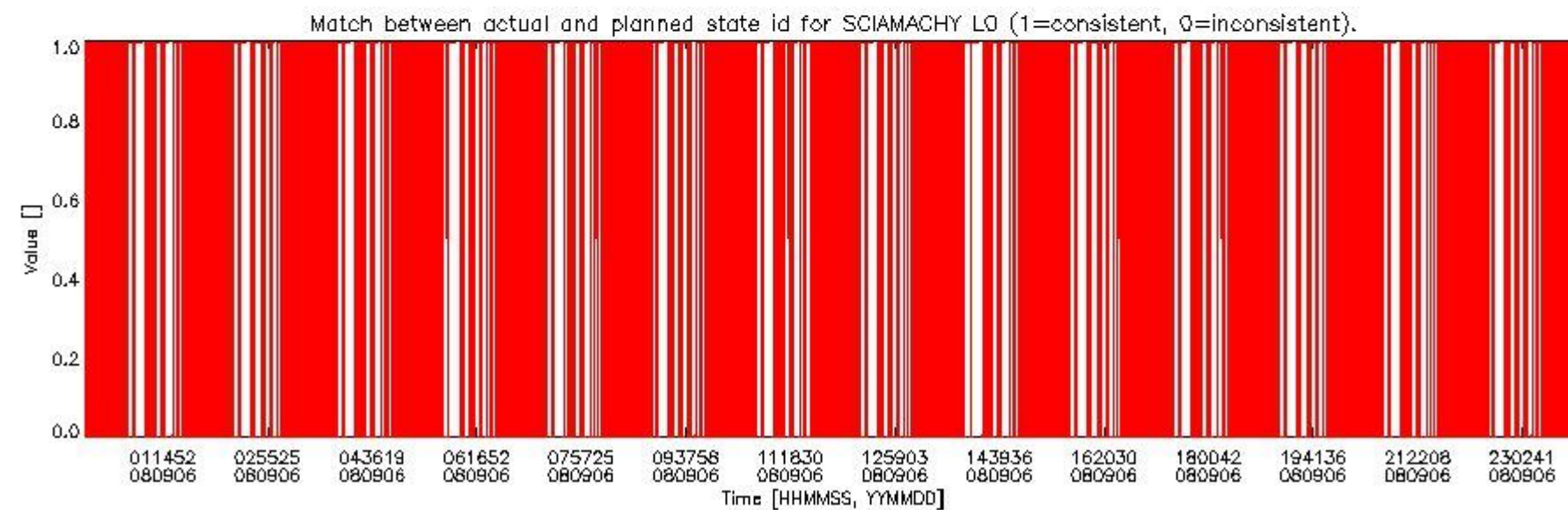
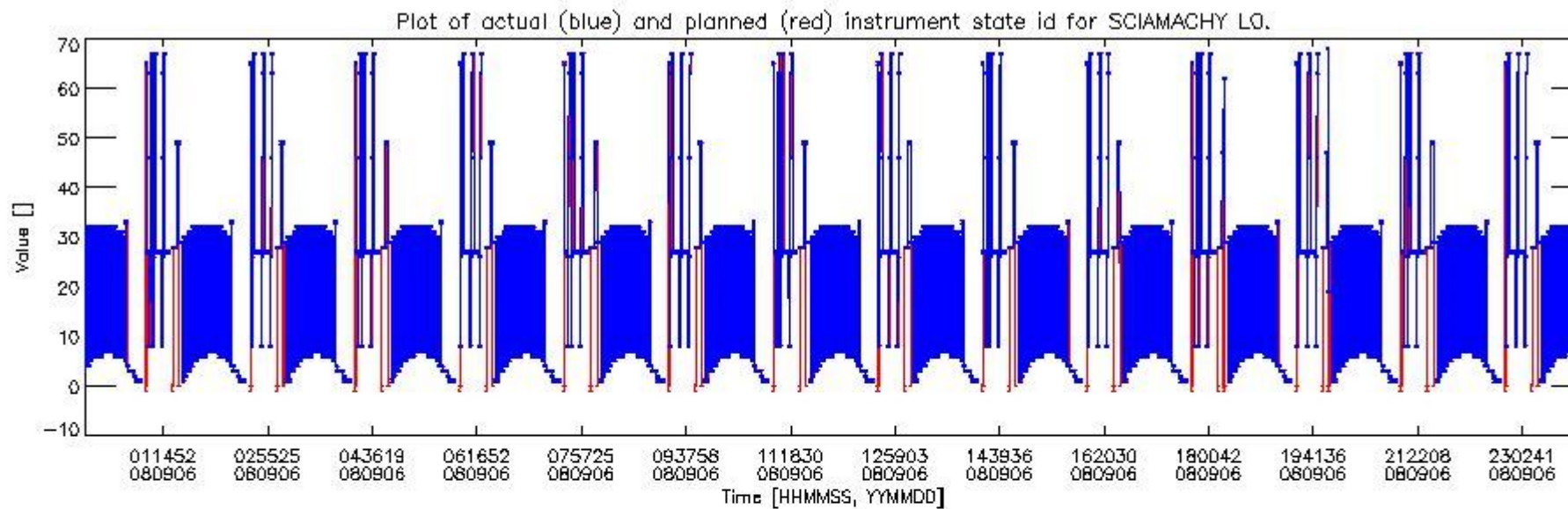


0.3 State monitoring

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: **53108**

#	Actual time	Actual value	Planned time	Planned value
0	06SEP2008 00:00:19.349000	4	06SEP2008 00:00:19.349000	31
1	06SEP2008 00:00:19.599009	4	06SEP2008 00:00:19.599009	31
2	06SEP2008 00:00:19.724013	4	06SEP2008 00:00:19.724013	31
3	06SEP2008 00:00:19.848977	4	06SEP2008 00:00:19.848977	31
4	06SEP2008 00:00:19.973981	4	06SEP2008 00:00:19.973981	31
5	06SEP2008 00:00:20.098986	4	06SEP2008 00:00:20.098986	31
6	06SEP2008 00:00:20.223990	4	06SEP2008 00:00:20.223990	31
7	06SEP2008 00:00:20.348994	4	06SEP2008 00:00:20.348994	31
8	06SEP2008 00:00:20.473999	4	06SEP2008 00:00:20.473999	31
9	06SEP2008 00:00:20.599003	4	06SEP2008 00:00:20.599003	31
10	06SEP2008 00:00:20.724007	4	06SEP2008 00:00:20.724007	31
11	06SEP2008 00:00:20.849012	4	06SEP2008 00:00:20.849012	31
12	06SEP2008 00:00:20.973976	4	06SEP2008 00:00:20.973976	31
13	06SEP2008 00:00:21.098980	4	06SEP2008 00:00:21.098980	31
14	06SEP2008 00:00:21.223985	4	06SEP2008 00:00:21.223985	31
15	06SEP2008 00:00:21.348989	4	06SEP2008 00:00:21.348989	31
16	06SEP2008 00:00:21.473993	4	06SEP2008 00:00:21.473993	31
17	06SEP2008 00:00:21.598998	4	06SEP2008 00:00:21.598998	31
18	06SEP2008 00:00:21.724002	4	06SEP2008 00:00:21.724002	31
19	06SEP2008 00:00:21.849006	4	06SEP2008 00:00:21.849006	31

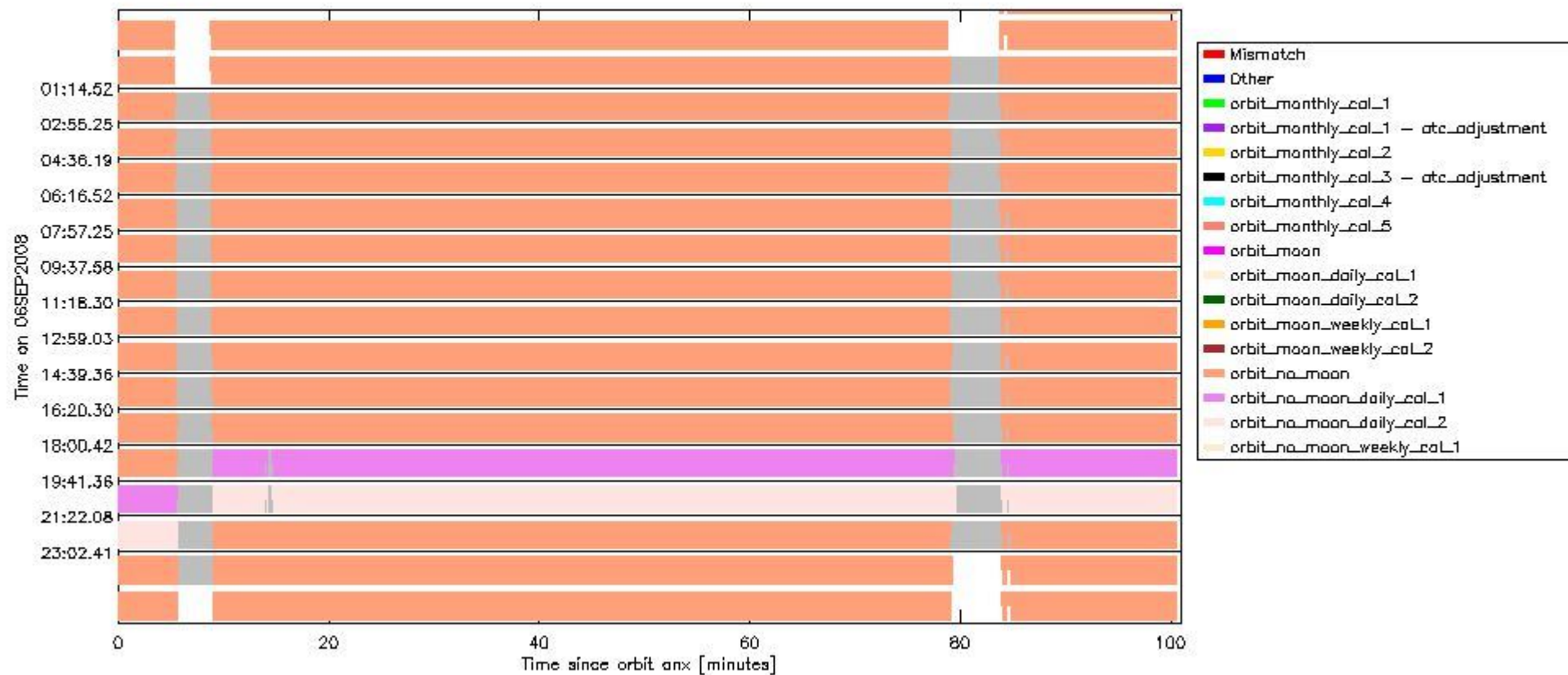


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080906_5.PNG

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 06SEP2008.
 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_KSPT_L0_4303_N_20080906_6.PNG

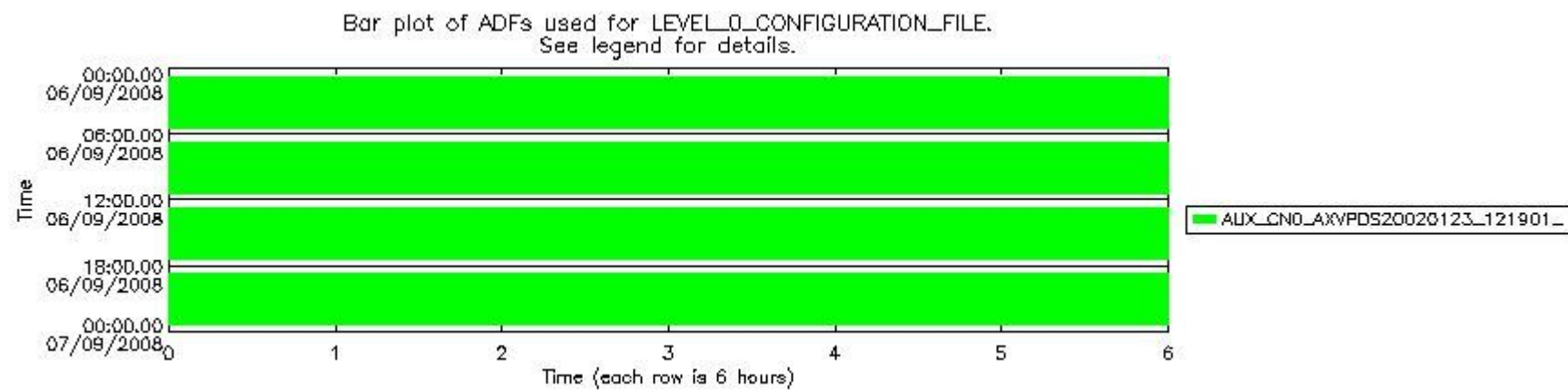
0.4 ADF monitoring

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

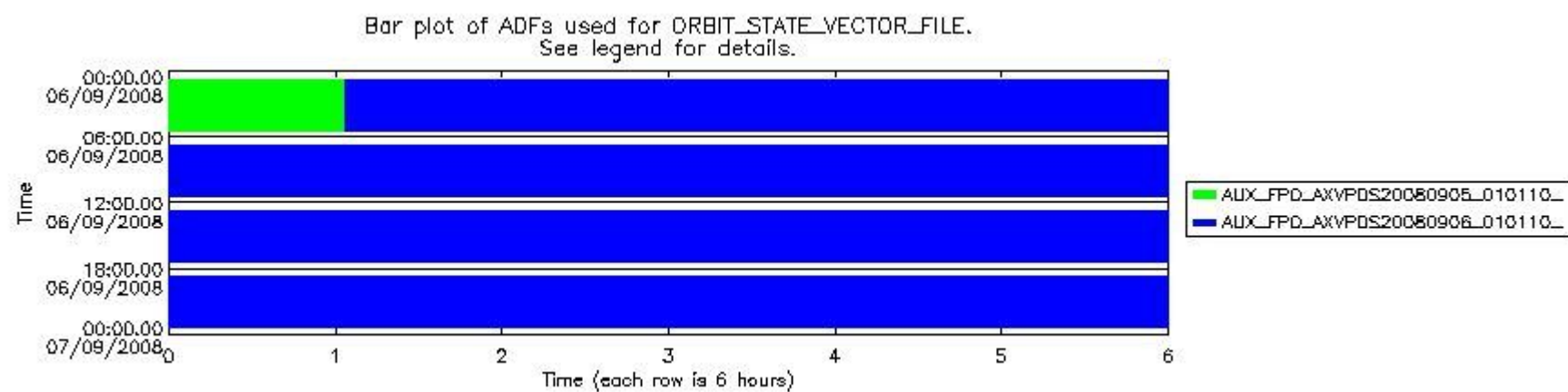
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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_AXVPDS20080905_010110_20080904_190408_20080914_203020
2	AUX_FPO_AXVPDS20080906_010110_20080905_183231_20080915_213919



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080906_7.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080906_8.PNG

