

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	02SEP2008 05:22:31
Data source version	KSPT_L0/4303-N
Processing scope for products	29AUG2008 00:00:00 to 30AUG2008 00:00:00
Start time of first product within scope	28AUG2008 22:34:10
Stop time of last product within scope	30AUG2008 01:21:41
Total number of level 0 products	17
Number of level 0 products with errors	4

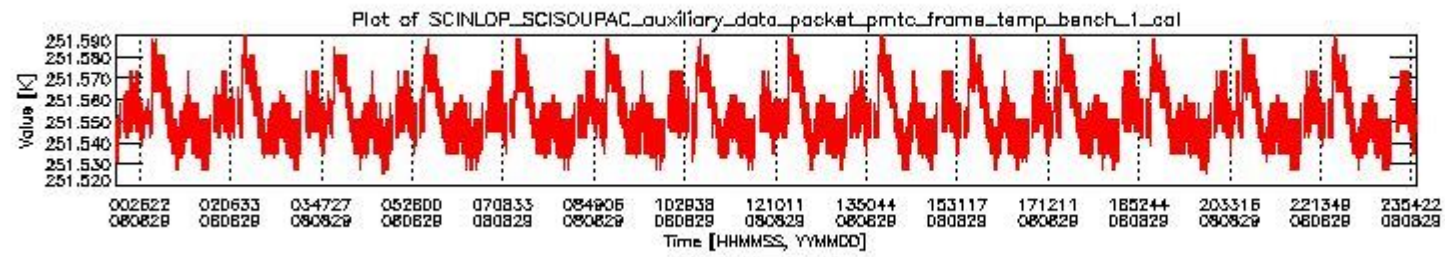
0.1.2 Summary per product

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

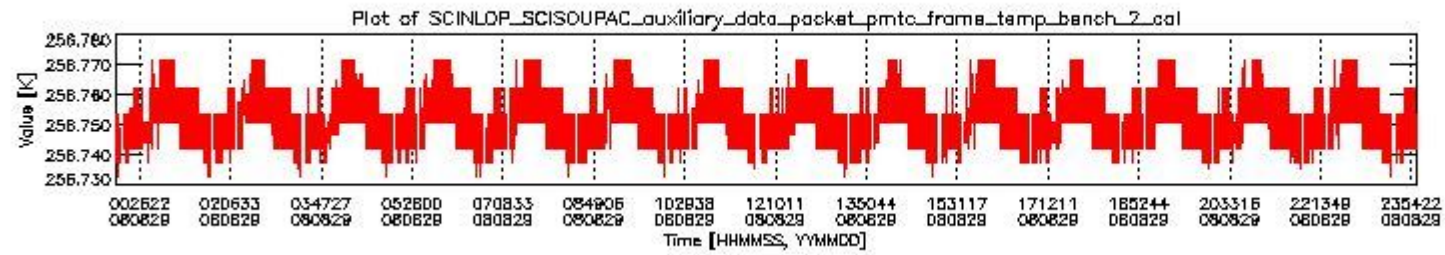
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080828_223410_000059532071_00344_33965_7402.N1	28AUG2008 22:34:10	29AUG2008 00:13:23	0	0	0	0	0
1	SCI_NL__OPNPDE20080829_001323_000059042071_00345_33966_7403.N1	29AUG2008 00:13:23	29AUG2008 01:51:47	0	0	0	0	0
2	SCI_NL__OPNPDE20080829_015100_000048092071_00346_33967_7404.N1	29AUG2008 01:51:00	29AUG2008 03:11:09	0	0	0	0	0
3	SCI_NL__OPNPDE20080829_031109_000058432071_00347_33968_7405.N1	29AUG2008 03:11:09	29AUG2008 04:48:32	0	0	0	0	0
4	SCI_NL__OPNPDE20080829_044737_000060372071_00348_33969_7406.N1	29AUG2008 04:47:37	29AUG2008 06:28:13	0	0	0	0	0
5	SCI_NL__OPNPDK20080829_062813_000041012071_00349_33970_9161.N1	29AUG2008 06:28:13	29AUG2008 07:36:34	1	1	0	0	0
6	SCI_NL__OPNPDK20080829_073634_000061052071_00350_33971_9162.N1	29AUG2008 07:36:34	29AUG2008 09:18:19	0	0	0	0	0
7	SCI_NL__OPNPDK20080829_091819_000059682071_00351_33972_9163.N1	29AUG2008 09:18:19	29AUG2008 10:57:47	0	0	0	0	0
8	SCI_NL__OPNPDK20080829_105747_000059252071_00352_33973_9164.N1	29AUG2008 10:57:47	29AUG2008 12:36:32	0	0	0	0	0
9	SCI_NL__OPNPDK20080829_123632_000059682071_00353_33974_9165.N1	29AUG2008 12:36:32	29AUG2008 14:16:00	0	0	0	0	0
10	SCI_NL__OPNPDK20080829_141451_000058002071_00354_33975_9166.N1	29AUG2008 14:14:51	29AUG2008 15:51:31	0	0	0	0	0
11	SCI_NL__OPNPDK20080829_155023_000059872071_00355_33976_9168.N1	29AUG2008 15:50:23	29AUG2008 17:30:10	1	1	0	0	0
12	SCI_NL__OPNPDK20080829_172914_000059252071_00356_33977_9169.N1	29AUG2008 17:29:14	29AUG2008 19:07:59	1	1	0	0	0
13	SCI_NL__OPNPDK20080829_190703_000061292071_00357_33978_9171.N1	29AUG2008 19:07:03	29AUG2008 20:49:12	1	1	0	0	0
14	SCI_NL__OPNPDE20080829_204720_000044762071_00358_33979_7407.N1	29AUG2008 20:47:20	29AUG2008 22:01:56	0	0	0	0	0
15	SCI_NL__OPNPDE20080829_220028_000062122071_00358_33979_7408.N1	29AUG2008 22:00:28	29AUG2008 23:44:00	0	0	0	0	0
16	SCI_NL__OPNPDE20080829_234153_000059882071_00359_33980_7409.N1	29AUG2008 23:41:53	30AUG2008 01:21:41	0	0	0	0	0

0.2 Product Quality Indicators

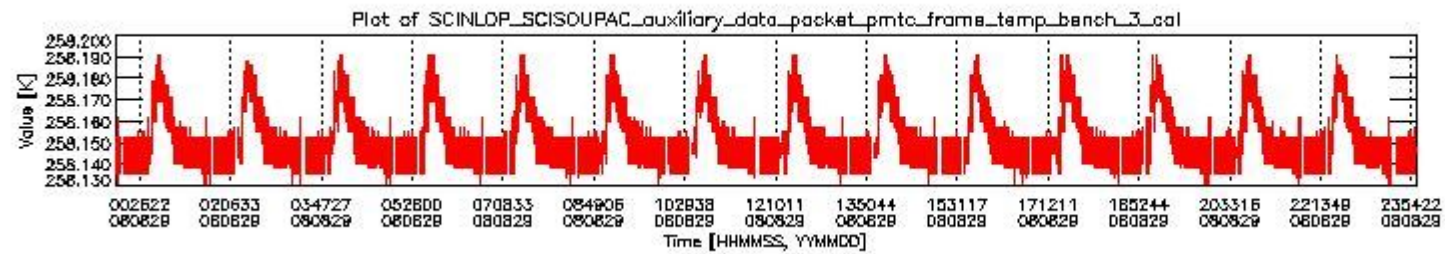
This section shows information about product quality, currently temperatures.



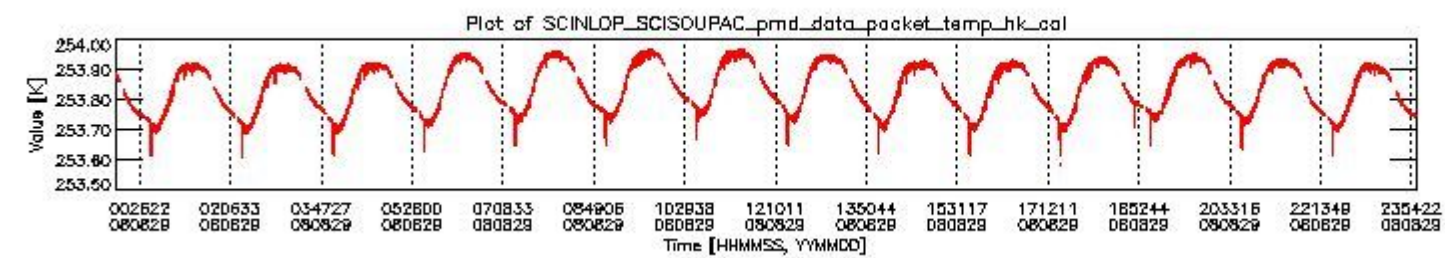
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080829_0.PNG



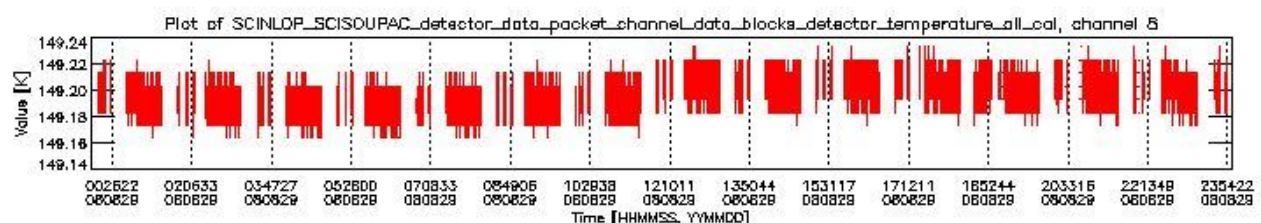
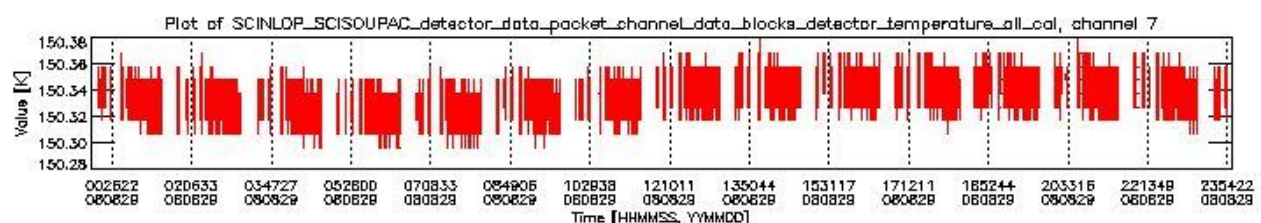
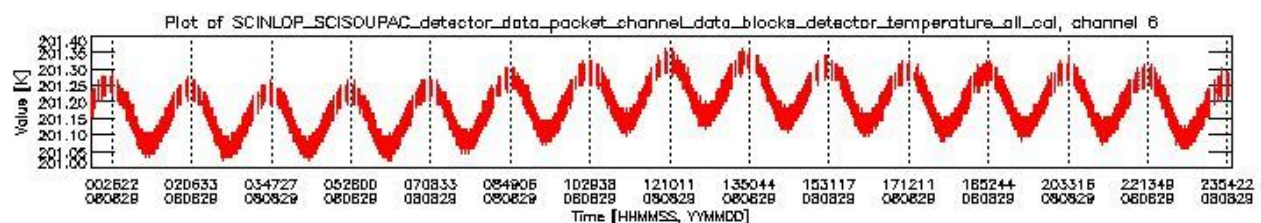
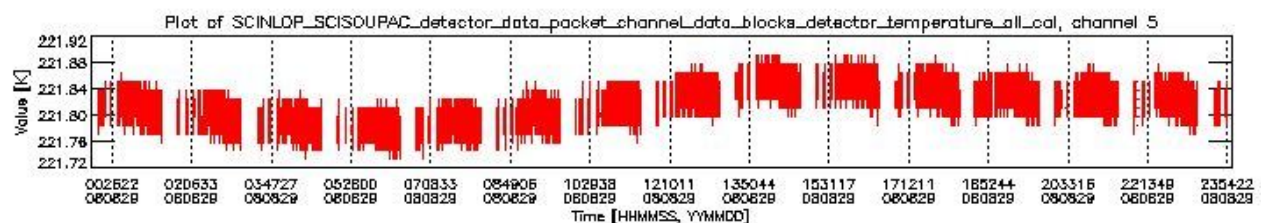
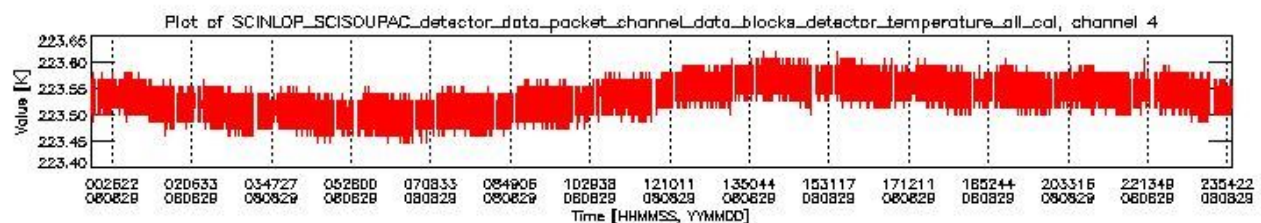
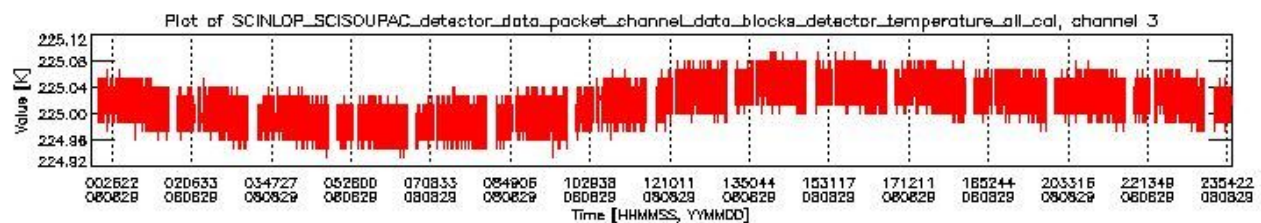
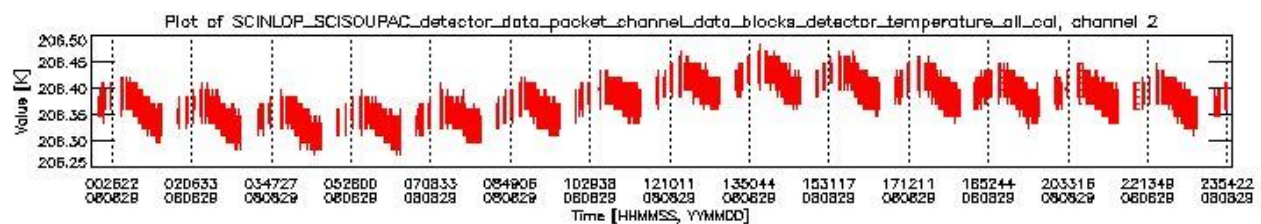
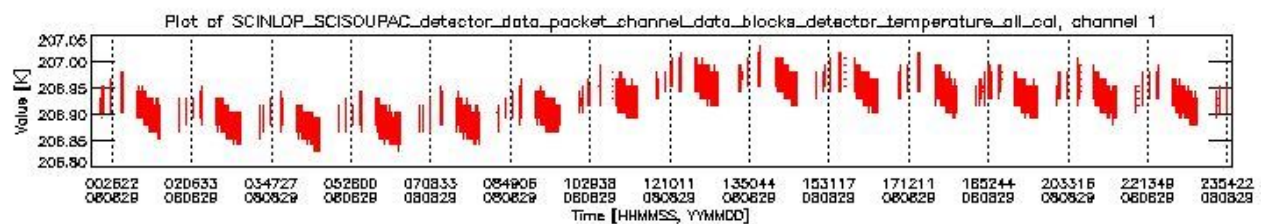
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080829_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080829_3.PNG

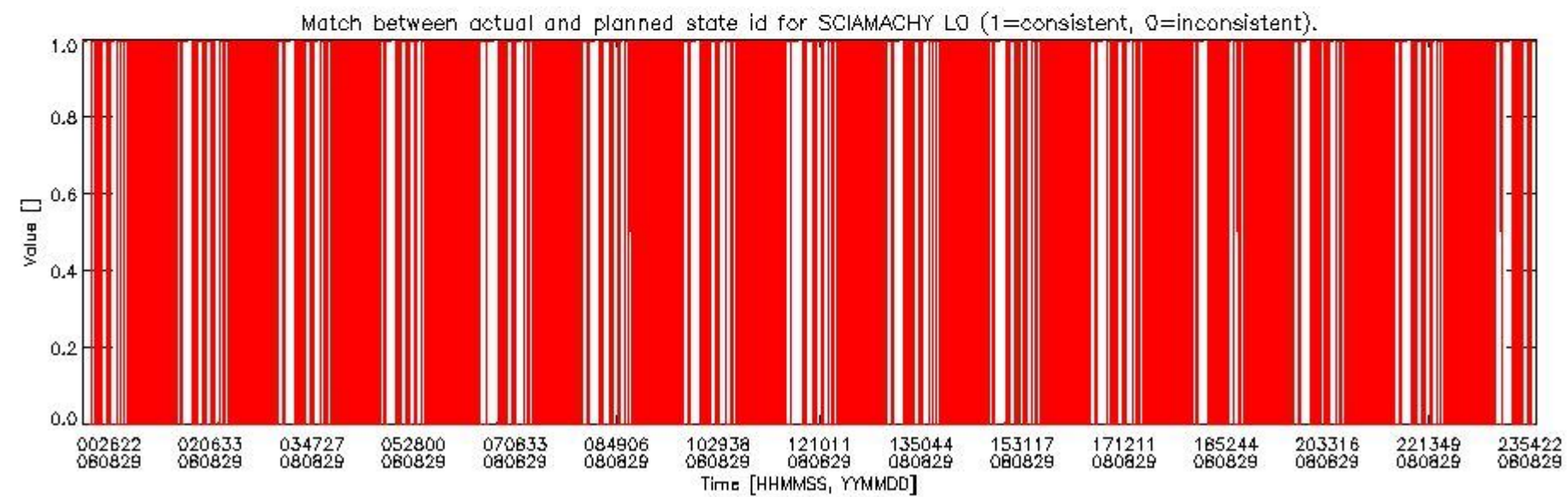
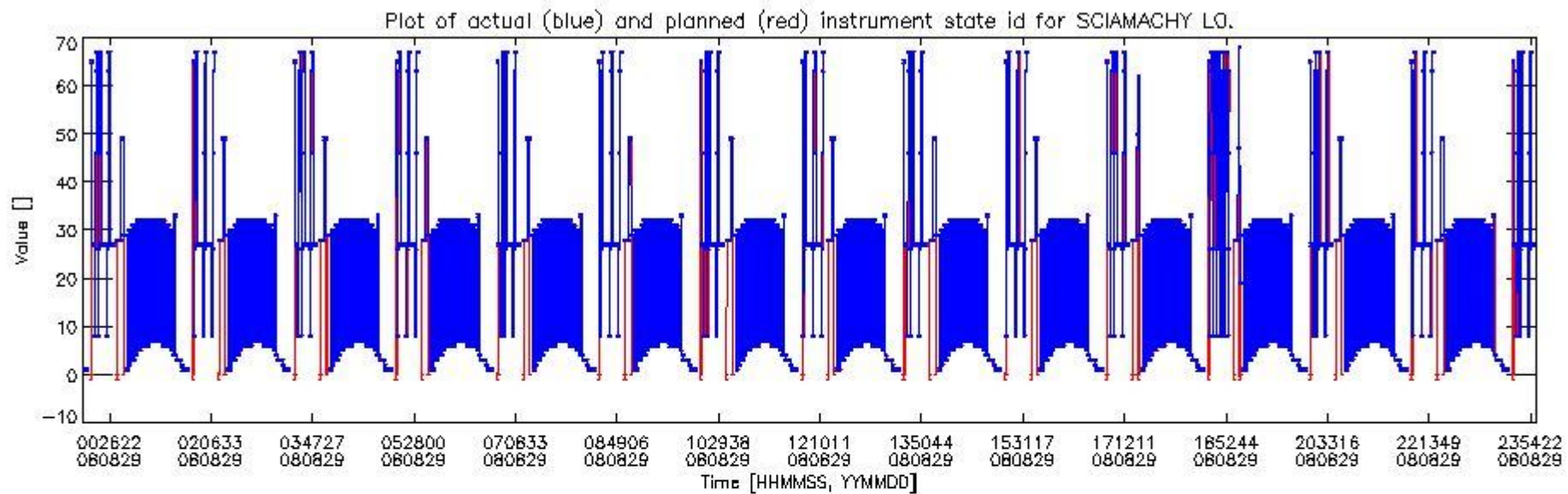


0.3 State monitoring

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: **47881**

#	Actual time	Actual value	Planned time	Planned value
0	29AUG2008 00:08:23.513704	65	29AUG2008 00:08:23.513704	0
1	29AUG2008 00:08:24.138686	65	29AUG2008 00:08:24.138686	0
2	29AUG2008 00:08:24.638703	65	29AUG2008 00:08:24.638703	0
3	29AUG2008 00:08:25.138680	65	29AUG2008 00:08:25.138680	0
4	29AUG2008 00:08:25.638698	65	29AUG2008 00:08:25.638698	0
5	29AUG2008 00:08:26.138715	65	29AUG2008 00:08:26.138715	0
6	29AUG2008 00:08:26.638692	65	29AUG2008 00:08:26.638692	0
7	29AUG2008 00:08:27.138710	65	29AUG2008 00:08:27.138710	0
8	29AUG2008 00:08:27.638687	65	29AUG2008 00:08:27.638687	0
9	29AUG2008 00:08:28.138704	65	29AUG2008 00:08:28.138704	0
10	29AUG2008 00:08:28.513677	65	29AUG2008 00:08:28.513677	0
11	29AUG2008 00:08:28.638681	65	29AUG2008 00:08:28.638681	0
12	29AUG2008 00:08:29.138699	65	29AUG2008 00:08:29.138699	0
13	29AUG2008 00:08:29.638716	65	29AUG2008 00:08:29.638716	0
14	29AUG2008 00:08:30.138693	65	29AUG2008 00:08:30.138693	0
15	29AUG2008 00:08:30.638711	65	29AUG2008 00:08:30.638711	0
16	29AUG2008 00:08:31.138688	65	29AUG2008 00:08:31.138688	0
17	29AUG2008 00:09:07.267601	27	29AUG2008 00:09:07.267601	0
18	29AUG2008 00:09:08.267595	27	29AUG2008 00:09:08.267595	0
19	29AUG2008 00:09:09.205108	27	29AUG2008 00:09:09.205108	0

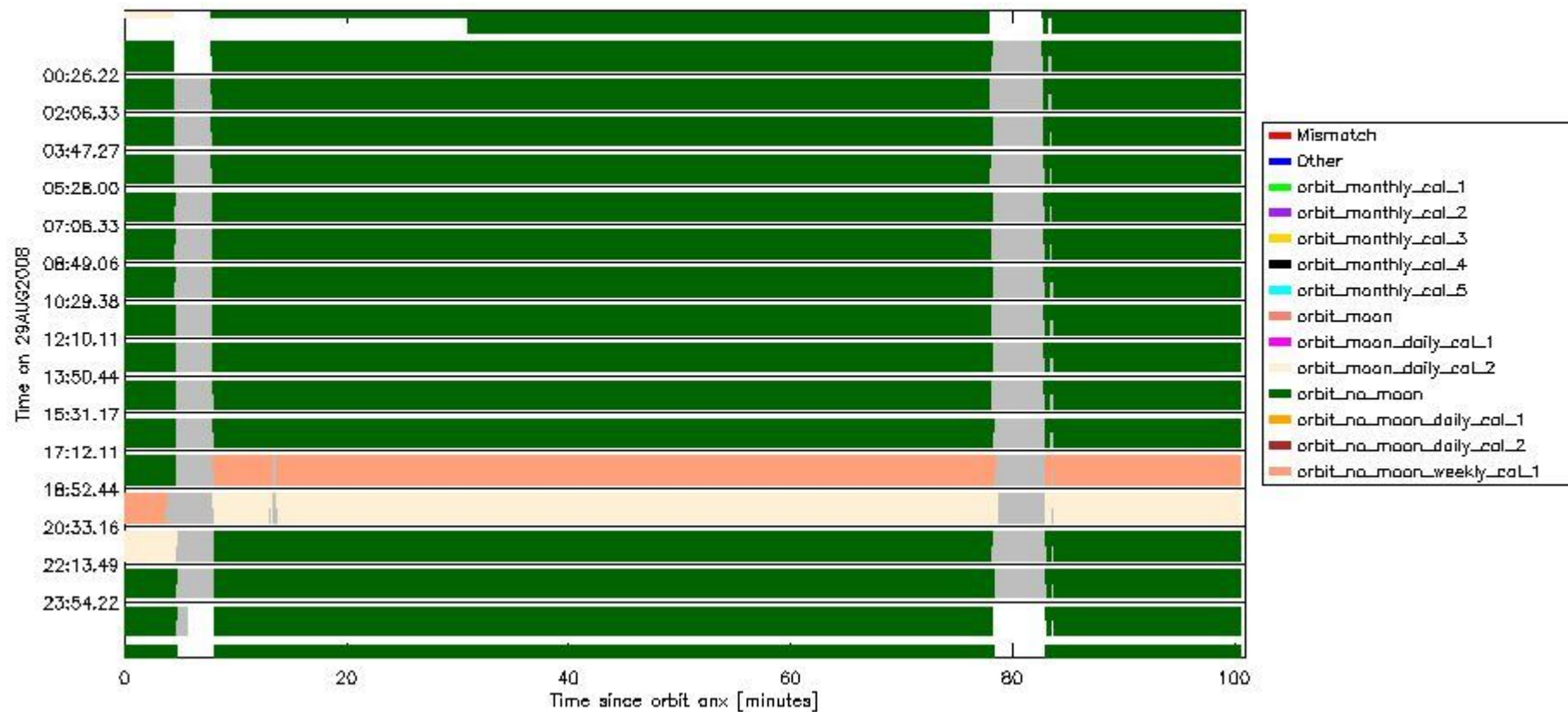


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080829_5.PNG

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 29AUG2008.
 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_20080829_6.PNG

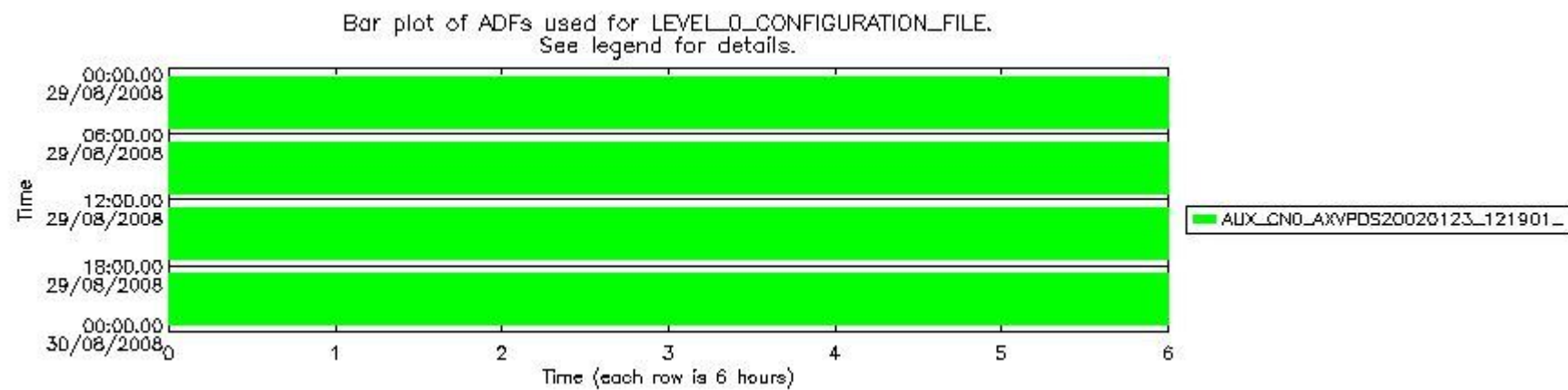
0.4 ADF monitoring

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

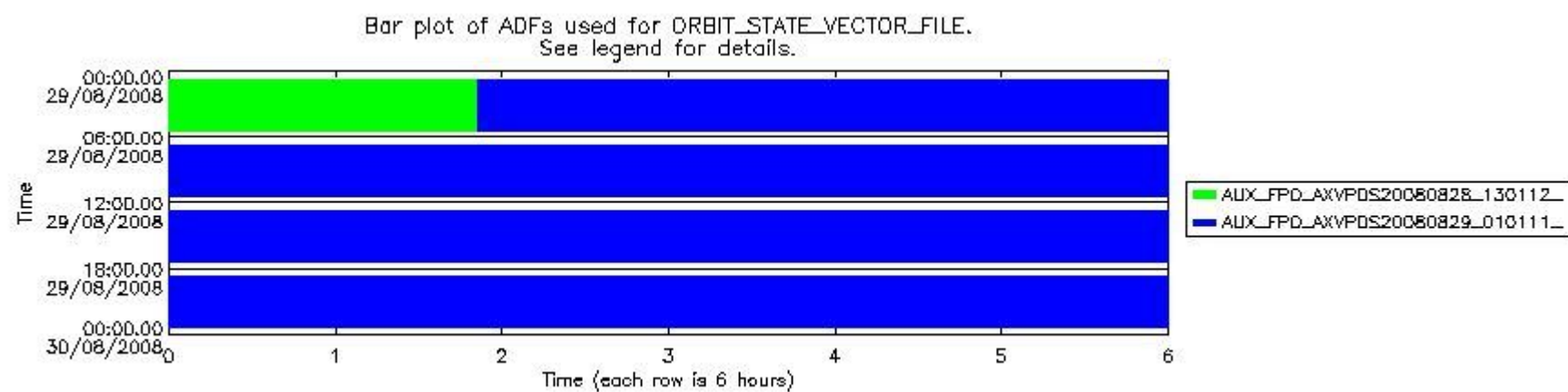
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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_AXVPDS20080828_130112_20080828_092041_20080906_230242
2	AUX_FPO_AXVPDS20080829_010111_20080828_192416_20080907_205029



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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080829_8.PNG

