

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	20FEB2008 11:30:04
Data source version	KSPT_L0/4303-N
Processing scope for products	16FEB2008 00:00:00 to 17FEB2008 00:00:00
Start time of first product within scope	15FEB2008 23:04:16
Stop time of last product within scope	17FEB2008 00:08:18
Total number of level 0 products	16
Number of level 0 products with errors	0

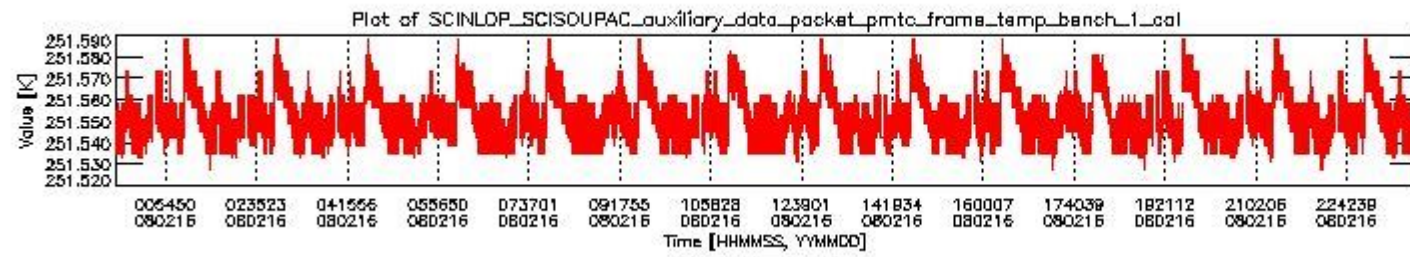
0.1.2 Summary per product

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

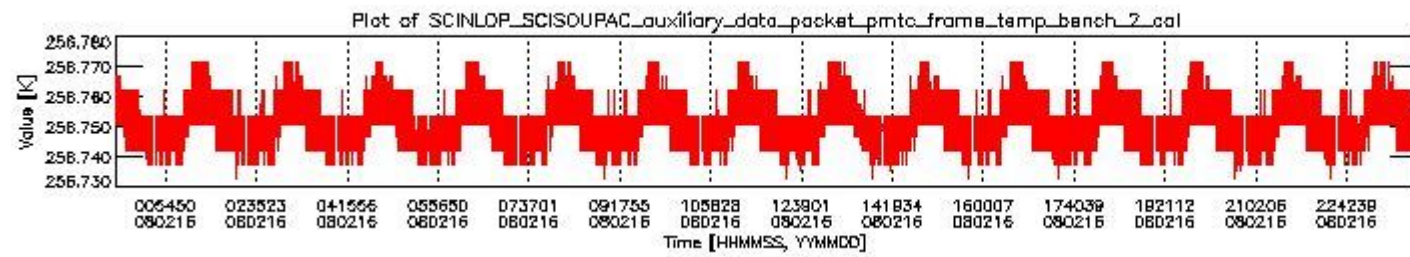
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080215_230416_000057252066_00058_31174_6264.N1	15FEB2008 23:04:16	16FEB2008 00:39:41	0	0	0	0	0
1	SCI_NL__OPNPDE20080216_004451_000056542066_00059_31175_6265.N1	16FEB2008 00:44:51	16FEB2008 02:19:05	0	0	0	0	0
2	SCI_NL__OPNPDE20080216_021905_000045302066_00060_31176_6266.N1	16FEB2008 02:19:05	16FEB2008 03:34:36	0	0	0	0	0
3	SCI_NL__OPNPDE20080216_033340_000062162066_00061_31177_6267.N1	16FEB2008 03:33:40	16FEB2008 05:17:16	0	0	0	0	0
4	SCI_NL__OPNPDE20080216_051716_000060362066_00062_31178_6148.N1	16FEB2008 05:17:16	16FEB2008 06:57:51	0	0	0	0	0
5	SCI_NL__OPNPDK20080216_065655_000041002066_00063_31179_7404.N1	16FEB2008 06:56:55	16FEB2008 08:05:16	0	0	0	0	0
6	SCI_NL__OPNPDK20080216_080420_000060912066_00064_31180_7405.N1	16FEB2008 08:04:20	16FEB2008 09:45:51	0	0	0	0	0
7	SCI_NL__OPNPDK20080216_094455_000060352066_00065_31181_7406.N1	16FEB2008 09:44:55	16FEB2008 11:25:31	0	0	0	0	0
8	SCI_NL__OPNPDK20080216_112422_000061042066_00066_31182_7407.N1	16FEB2008 11:24:22	16FEB2008 13:06:06	0	0	0	0	0
9	SCI_NL__OPNPDK20080216_130458_000059112066_00067_31183_7408.N1	16FEB2008 13:04:58	16FEB2008 14:43:29	0	0	0	0	0
10	SCI_NL__OPNPDK20080216_144137_000059802066_00068_31184_7409.N1	16FEB2008 14:41:37	16FEB2008 16:21:16	0	0	0	0	0
11	SCI_NL__OPNPDK20080216_161803_000060362066_00069_31185_7410.N1	16FEB2008 16:18:03	16FEB2008 17:58:38	0	0	0	0	0
12	SCI_NL__OPNPDK20080216_175645_000060912066_00070_31186_7411.N1	16FEB2008 17:56:45	16FEB2008 19:38:17	0	0	0	0	0
13	SCI_NL__OPNPDE20080216_193625_000041812066_00071_31187_6149.N1	16FEB2008 19:36:25	16FEB2008 20:46:07	0	0	0	0	0
14	SCI_NL__OPNPDE20080216_204458_000061692066_00071_31187_6150.N1	16FEB2008 20:44:58	16FEB2008 22:27:47	0	0	0	0	0
15	SCI_NL__OPNPDE20080216_223232_000057462066_00072_31188_6151.N1	16FEB2008 22:32:32	17FEB2008 00:08:18	0	0	0	0	0

0.2 Product Quality Indicators

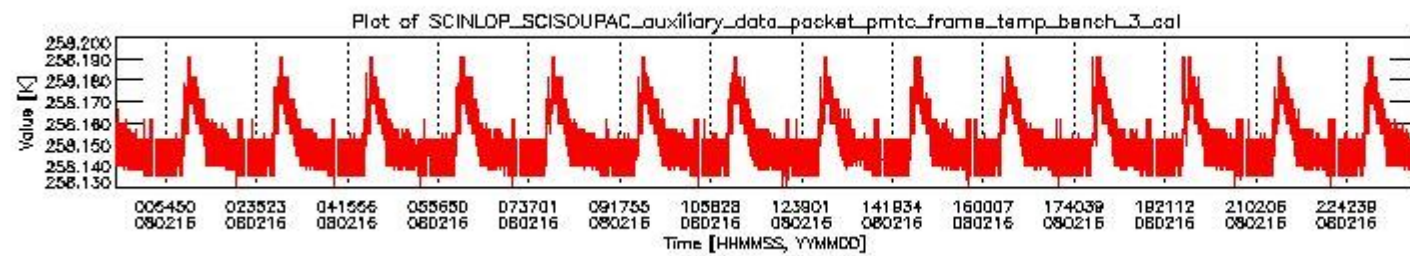
This section shows information about product quality, currently temperatures.



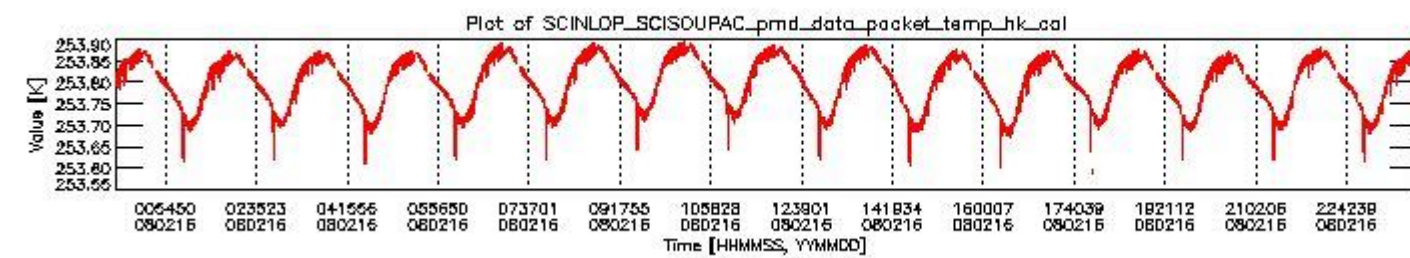
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080216_0.PNG



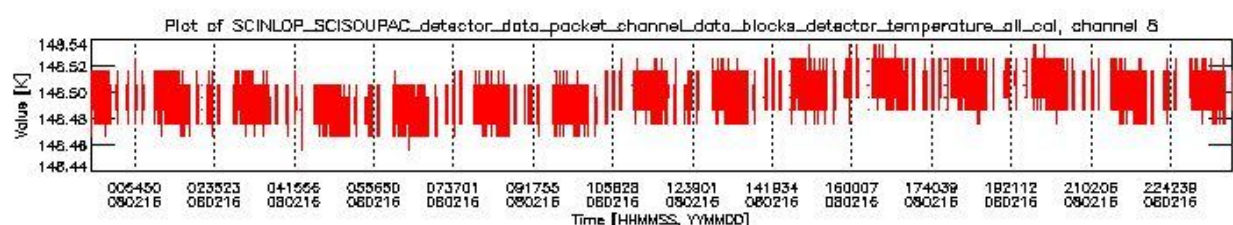
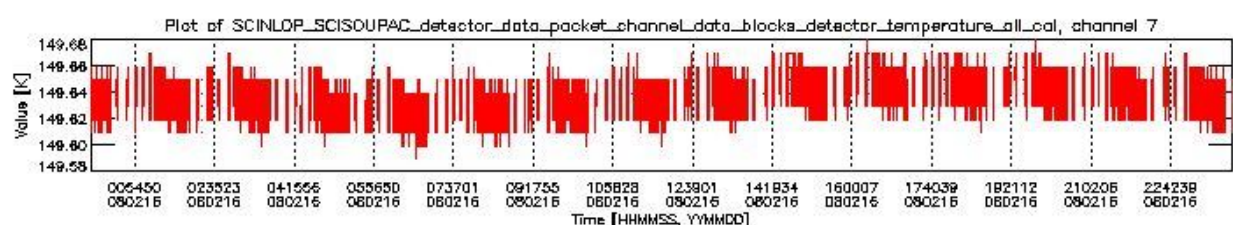
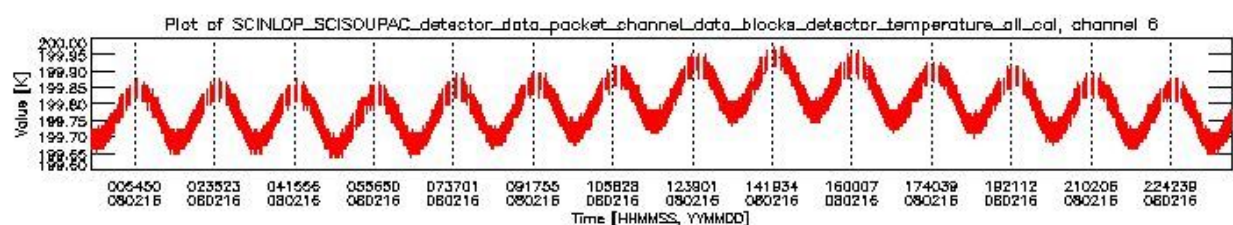
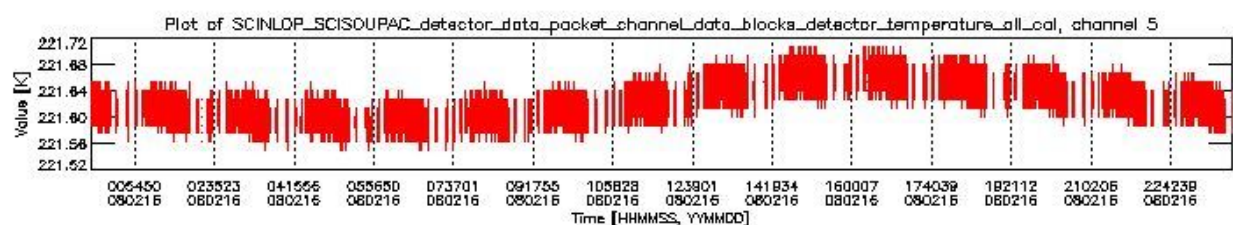
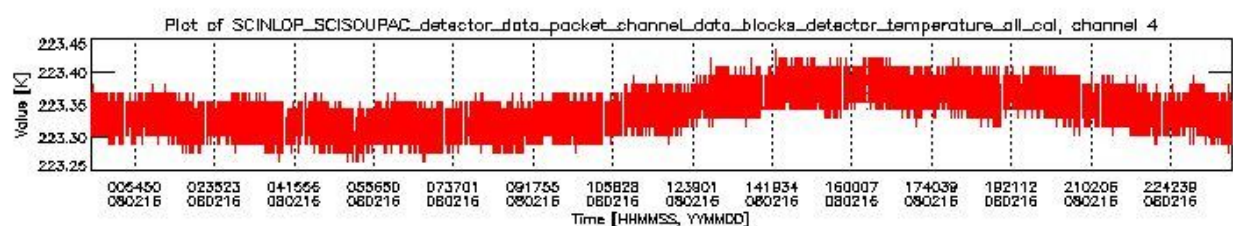
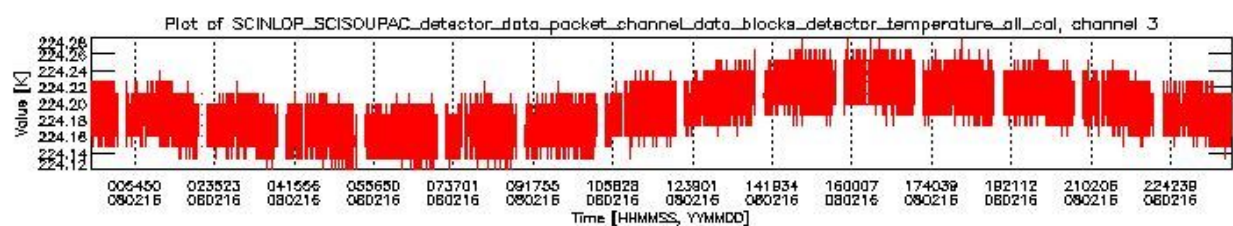
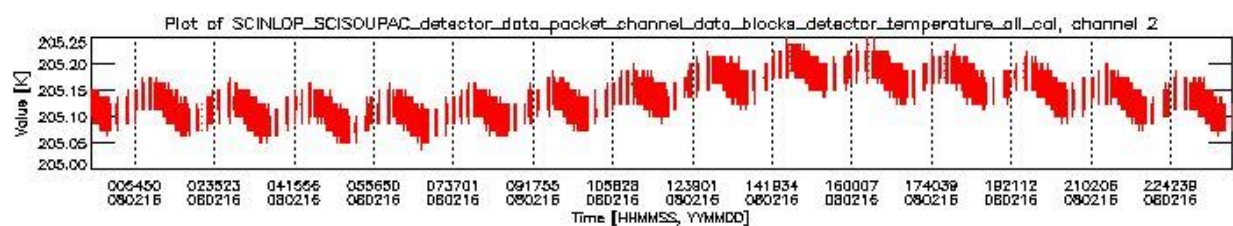
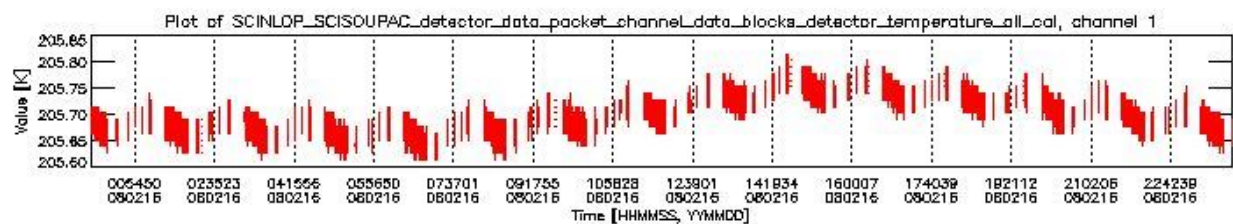
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080216_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080216_3.PNG

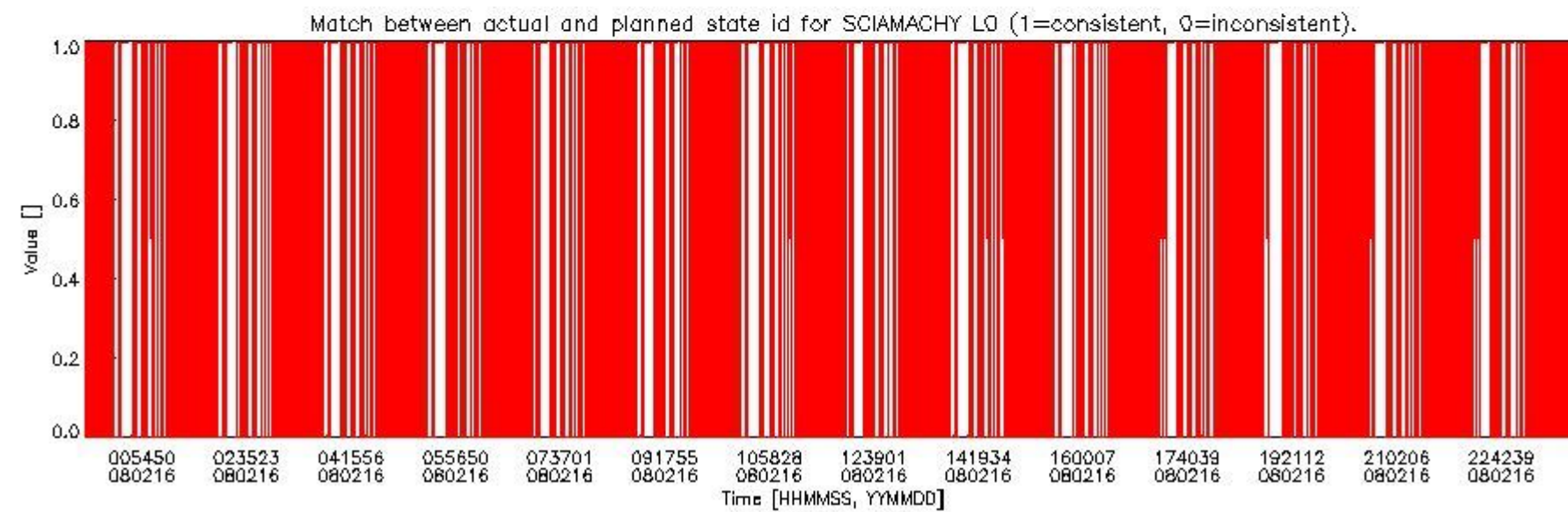
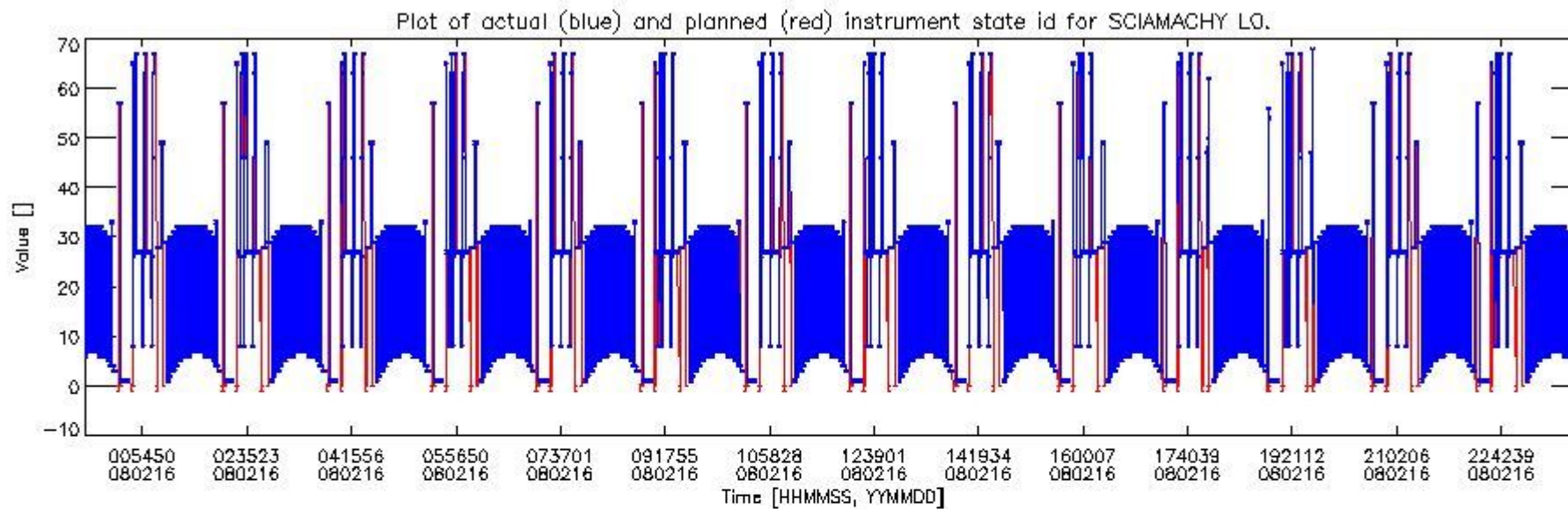


0.3 State monitoring

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: **42242**

#	Actual time	Actual value	Planned time	Planned value
0	16FEB2008 00:00:02.863030	32	16FEB2008 00:00:02.863030	6
1	16FEB2008 00:00:03.488012	32	16FEB2008 00:00:03.488012	6
2	16FEB2008 00:00:03.863025	32	16FEB2008 00:00:03.863025	6
3	16FEB2008 00:00:04.237998	32	16FEB2008 00:00:04.237998	6
4	16FEB2008 00:00:04.800497	32	16FEB2008 00:00:04.800497	6
5	16FEB2008 00:00:05.175510	32	16FEB2008 00:00:05.175510	6
6	16FEB2008 00:00:05.550523	32	16FEB2008 00:00:05.550523	6
7	16FEB2008 00:00:05.925496	32	16FEB2008 00:00:05.925496	6
8	16FEB2008 00:00:06.487995	32	16FEB2008 00:00:06.487995	6
9	16FEB2008 00:00:06.863008	32	16FEB2008 00:00:06.863008	6
10	16FEB2008 00:00:07.238021	32	16FEB2008 00:00:07.238021	6
11	16FEB2008 00:00:07.612994	32	16FEB2008 00:00:07.612994	6
12	16FEB2008 00:00:07.863003	32	16FEB2008 00:00:07.863003	6
13	16FEB2008 00:00:08.175494	32	16FEB2008 00:00:08.175494	6
14	16FEB2008 00:00:08.550507	32	16FEB2008 00:00:08.550507	6
15	16FEB2008 00:00:08.925520	32	16FEB2008 00:00:08.925520	6
16	16FEB2008 00:00:09.300533	32	16FEB2008 00:00:09.300533	6
17	16FEB2008 00:00:09.863032	32	16FEB2008 00:00:09.863032	6
18	16FEB2008 00:00:10.238005	32	16FEB2008 00:00:10.238005	6
19	16FEB2008 00:00:10.613018	32	16FEB2008 00:00:10.613018	6
...

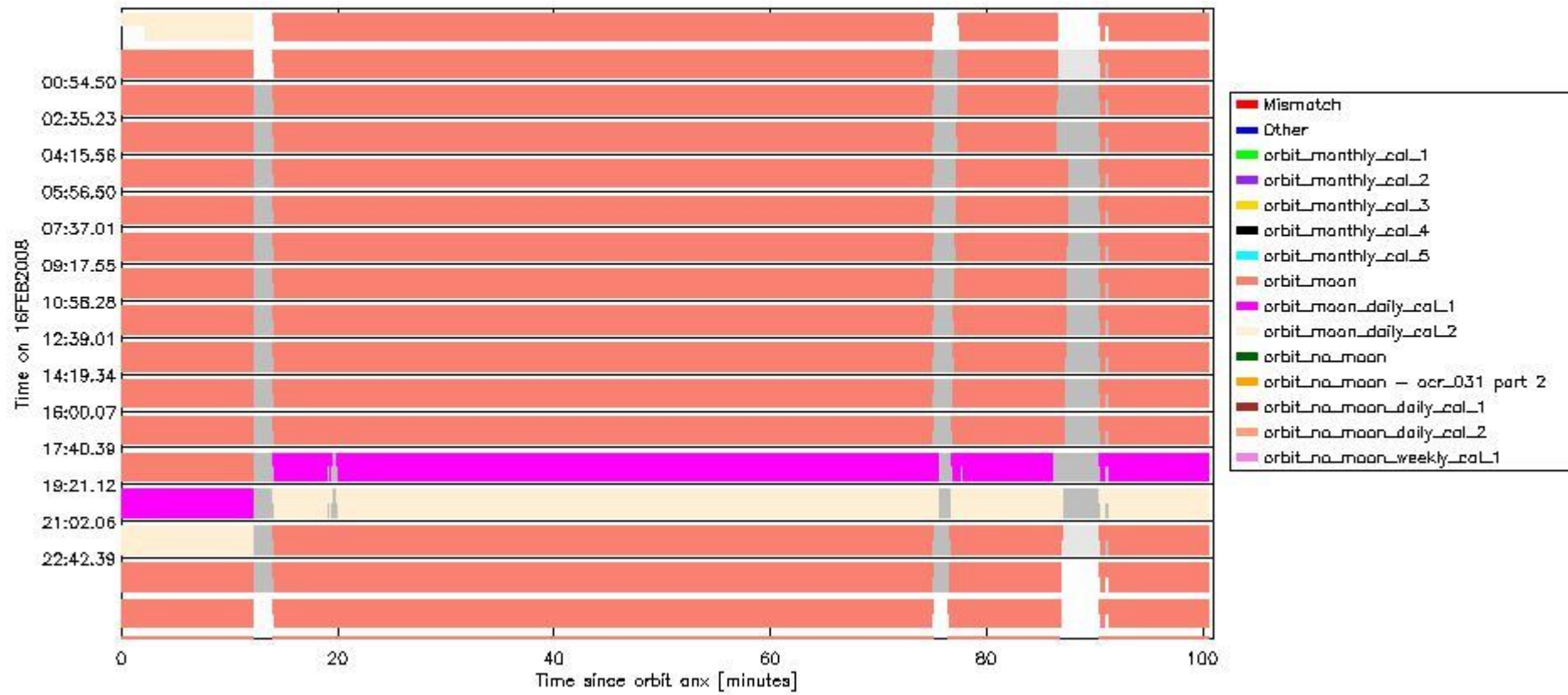


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080216_5.PNG

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 16FEB2008.
 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_20080216_6.PNG

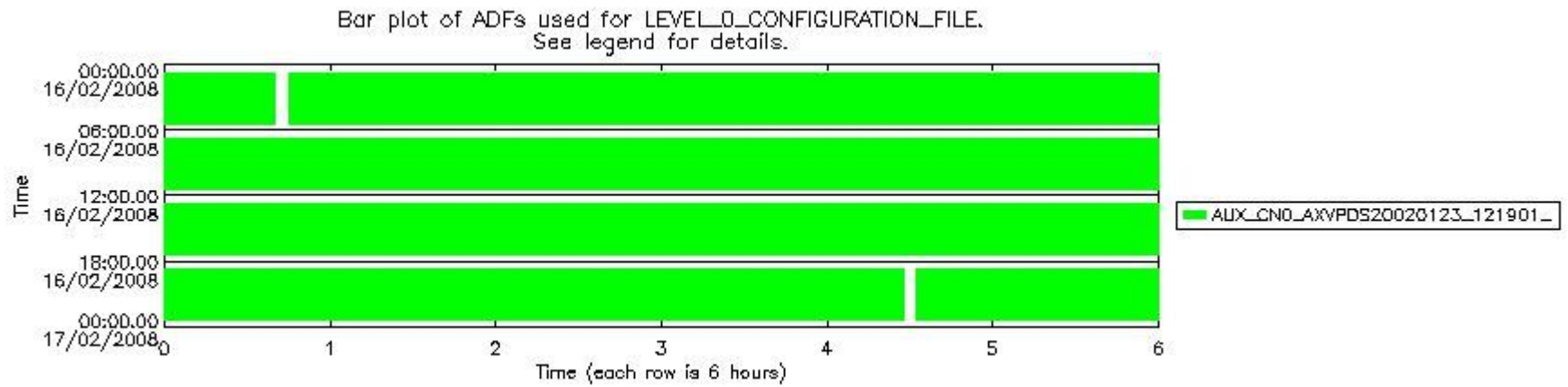
0.4 ADF monitoring

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

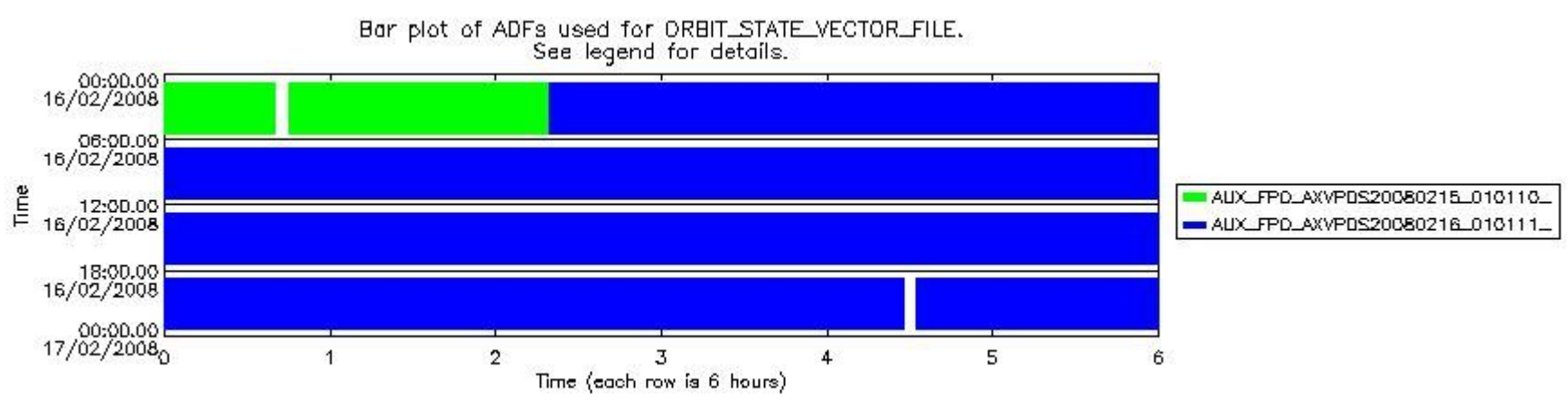
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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_AXVPDS20080215_010110_20080214_184402_20080224_201017
2	AUX_FPO_AXVPDS20080216_010111_20080215_195301_20080225_211916



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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080216_8.PNG

