

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	26FEB2008 07:30:34
Data source version	KSPT_L0/4303-N
Processing scope for products	22FEB2008 00:00:00 to 23FEB2008 00:00:00
Start time of first product within scope	21FEB2008 23:15:02
Stop time of last product within scope	23FEB2008 00:16:35
Total number of level 0 products	17
Number of level 0 products with errors	0

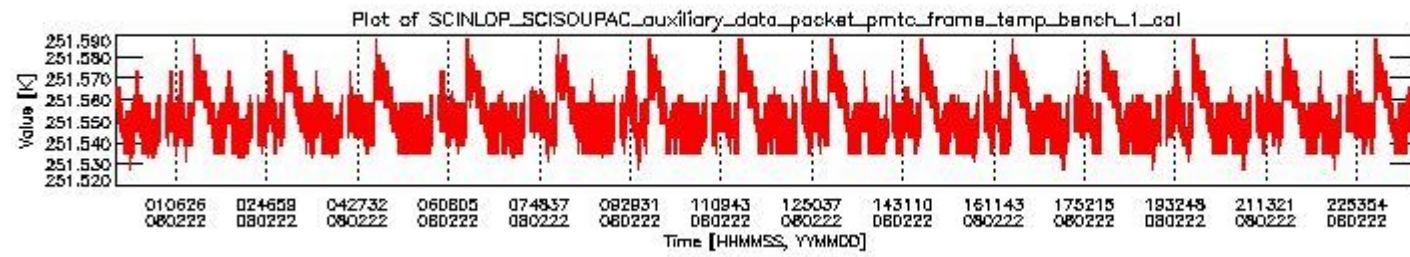
0.1.2 Summary per product

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

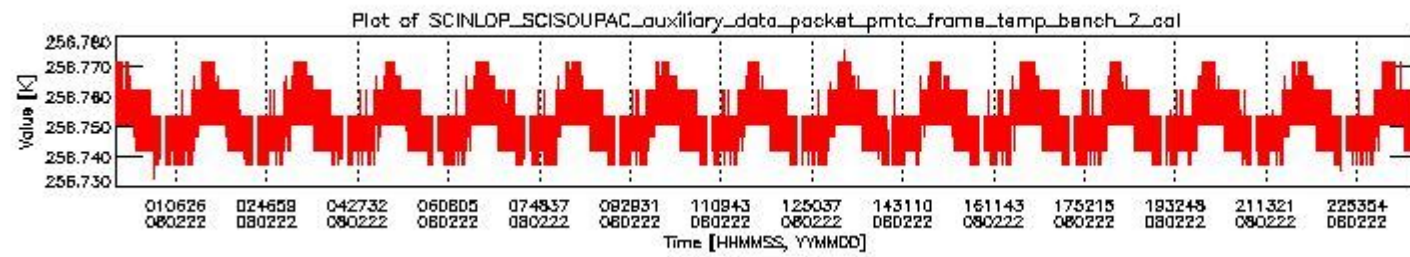
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080222_231502_000055972066_00144_31260_6184.N1	21FEB2008 23:15:02	22FEB2008 00:48:19	0	0	0	0	0
1	SCI_NL__OPNPDE20080222_005537_000044022066_00145_31261_6185.N1	22FEB2008 00:55:37	22FEB2008 02:08:58	0	0	0	0	0
2	SCI_NL__OPNPDE20080222_020802_000058552066_00146_31262_6186.N1	22FEB2008 02:08:02	22FEB2008 03:45:38	0	0	0	0	0
3	SCI_NL__OPNPDE20080222_034429_000062162066_00147_31263_6187.N1	22FEB2008 03:44:29	22FEB2008 05:28:05	0	0	0	0	0
4	SCI_NL__OPNPDE20080222_052805_000060482066_00148_31264_6188.N1	22FEB2008 05:28:05	22FEB2008 07:08:53	0	0	0	0	0
5	SCI_NL__OPNPDK20080222_070853_000039762066_00149_31265_7456.N1	22FEB2008 07:08:53	22FEB2008 08:15:09	0	0	0	0	0
6	SCI_NL__OPNPDK20080222_081401_000062972066_00150_31266_7457.N1	22FEB2008 08:14:01	22FEB2008 09:58:58	0	0	0	0	0
7	SCI_NL__OPNPDK20080222_095749_000059112066_00151_31267_7458.N1	22FEB2008 09:57:49	22FEB2008 11:36:20	0	0	0	0	0
8	SCI_NL__OPNPDK20080222_113511_000061042066_00152_31268_7459.N1	22FEB2008 11:35:11	22FEB2008 13:16:55	0	0	0	0	0
9	SCI_NL__OPNPDK20080222_131655_000058422066_00153_31269_7460.N1	22FEB2008 13:16:55	22FEB2008 14:54:18	0	0	0	0	0
10	SCI_NL__OPNPDK20080222_145226_000059242066_00154_31270_7461.N1	22FEB2008 14:52:26	22FEB2008 16:31:10	0	0	0	0	0
11	SCI_NL__OPNPDK20080222_162852_000060362066_00155_31271_7462.N1	22FEB2008 16:28:52	22FEB2008 18:09:27	0	0	0	0	0
12	SCI_NL__OPNPDK20080222_180735_000060362066_00156_31272_7463.N1	22FEB2008 18:07:35	22FEB2008 19:48:10	0	0	0	0	0
13	SCI_NL__OPNPDE20080222_194714_000041192066_00157_31273_6189.N1	22FEB2008 19:47:14	22FEB2008 20:55:53	0	0	0	0	0
14	SCI_NL__OPNPDE20080222_205444_000065572066_00157_31273_6190.N1	22FEB2008 20:54:44	22FEB2008 22:44:01	0	0	0	0	0
15	SCI_NL__OPNPDE20080222_224317_000055982066_00158_31274_6311.N1	22FEB2008 22:43:17	23FEB2008 00:16:35	0	0	0	0	0
16	SCI_NL__OPNPDE20080222_224317_000055982066_00158_31274_6191.N1	22FEB2008 22:43:17	23FEB2008 00:16:35	0	0	0	0	0

0.2 Product Quality Indicators

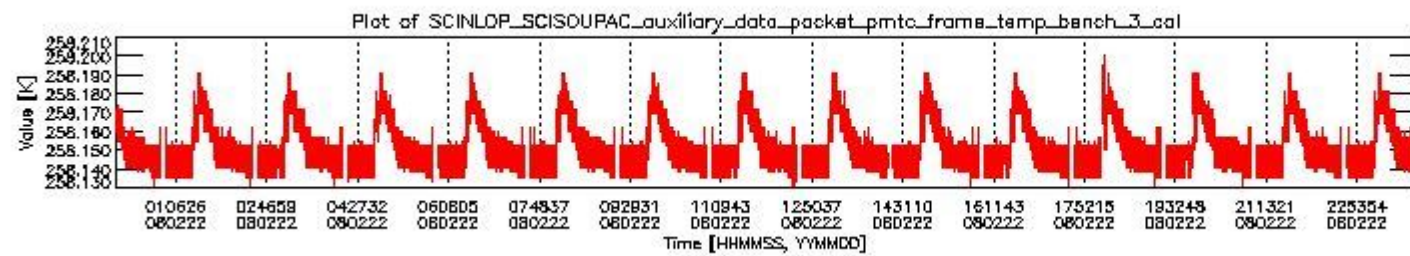
This section shows information about product quality, currently temperatures.



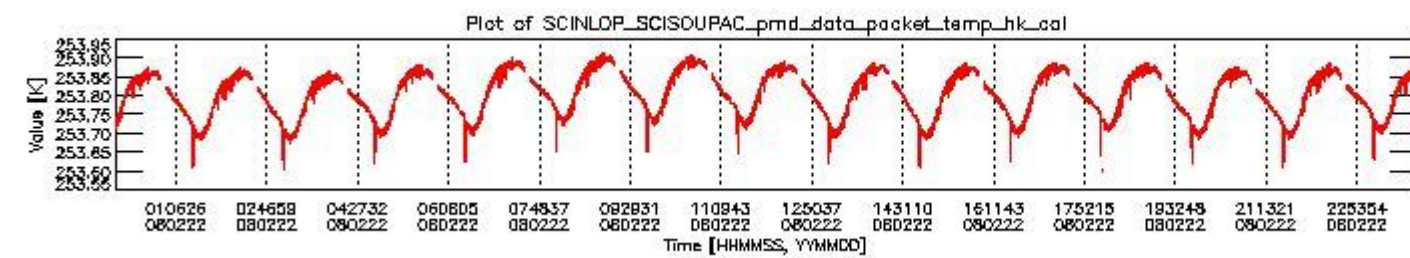
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080222_0.PNG



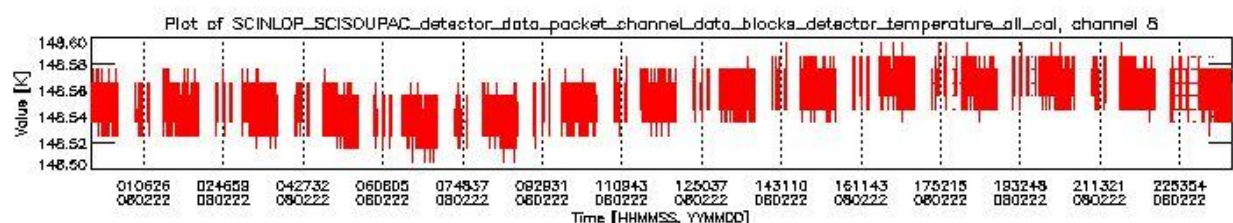
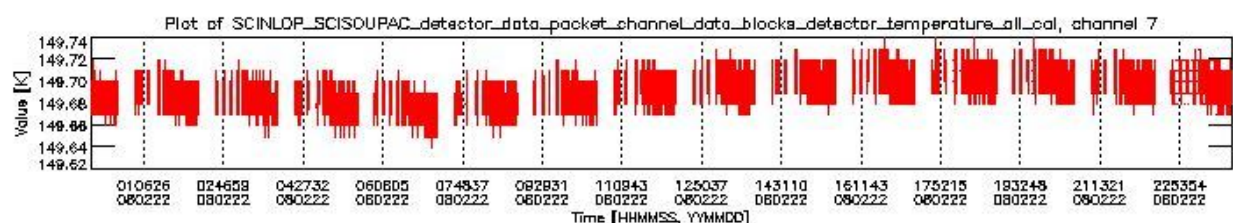
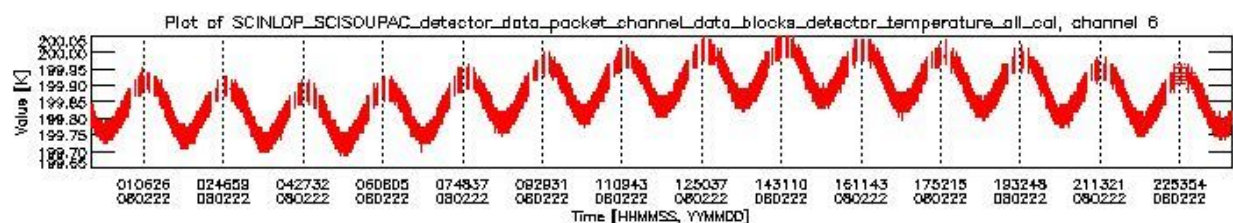
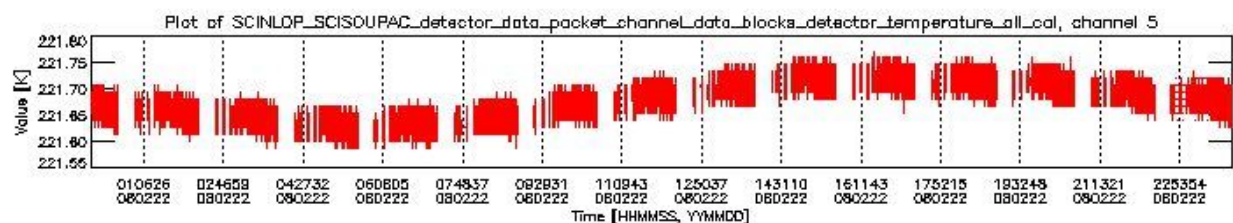
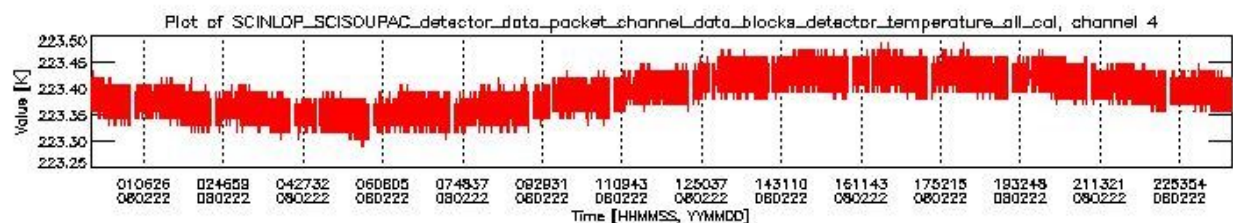
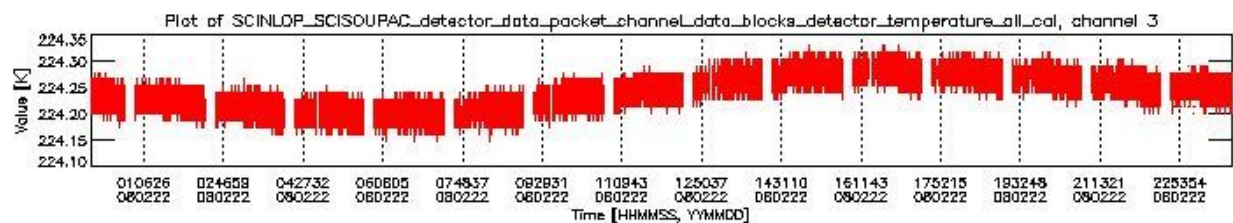
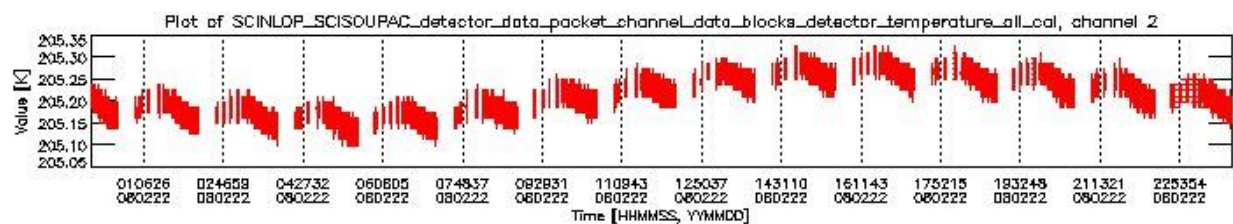
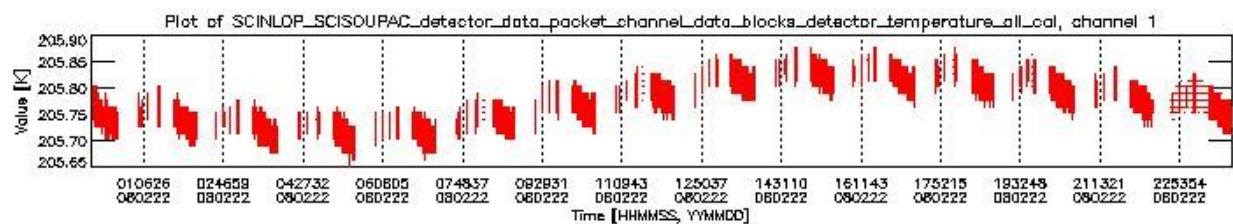
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080222_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080222_3.PNG

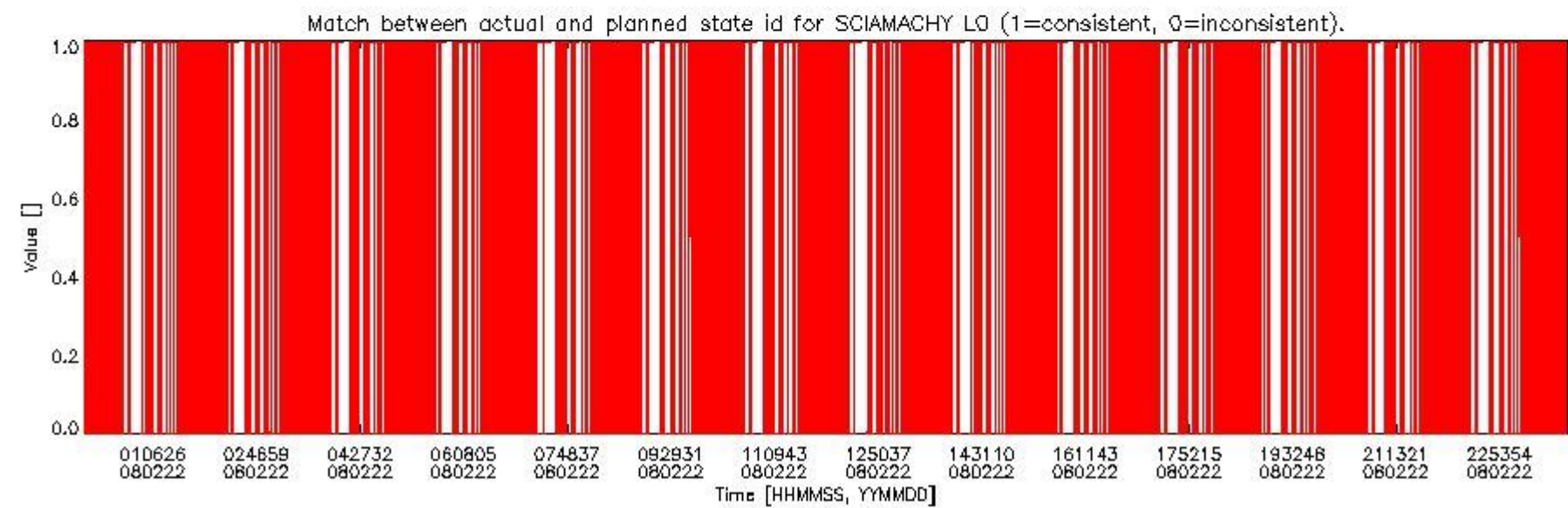
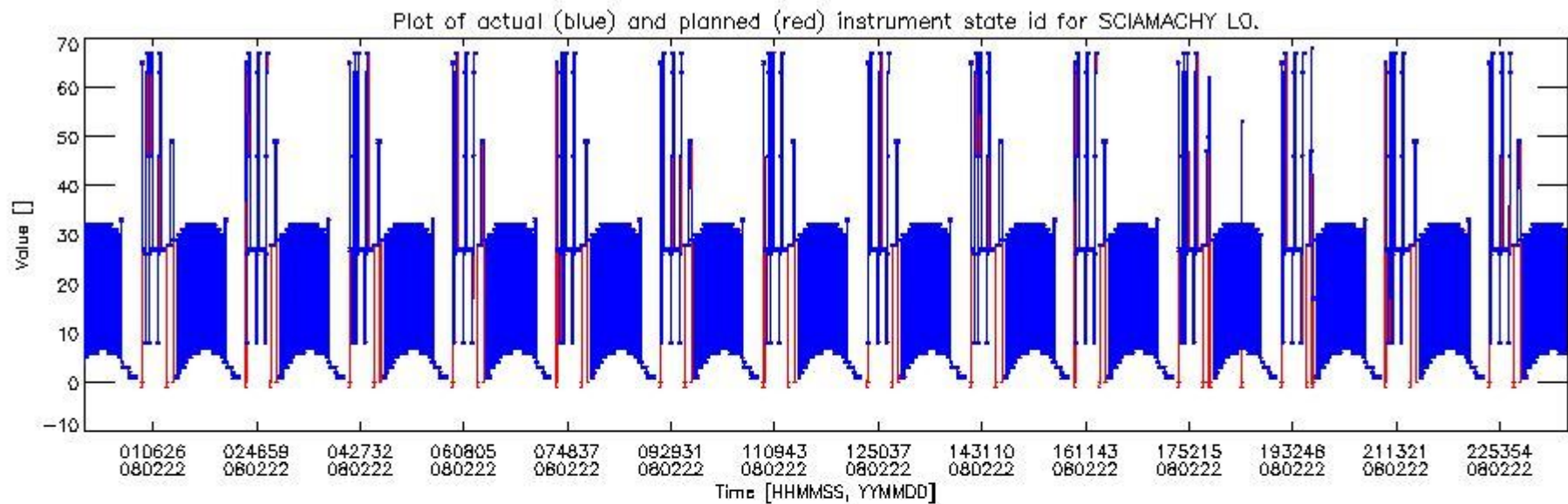


0.3 State monitoring

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: **41867**

#	Actual time	Actual value	Planned time	Planned value
0	22FEB2008 00:00:30.024098	5	22FEB2008 00:00:30.024098	32
1	22FEB2008 00:00:30.274066	5	22FEB2008 00:00:30.274066	32
2	22FEB2008 00:00:30.399071	5	22FEB2008 00:00:30.399071	32
3	22FEB2008 00:00:30.524075	5	22FEB2008 00:00:30.524075	32
4	22FEB2008 00:00:30.649079	5	22FEB2008 00:00:30.649079	32
5	22FEB2008 00:00:30.774084	5	22FEB2008 00:00:30.774084	32
6	22FEB2008 00:00:30.899088	5	22FEB2008 00:00:30.899088	32
7	22FEB2008 00:00:31.024092	5	22FEB2008 00:00:31.024092	32
8	22FEB2008 00:00:31.149097	5	22FEB2008 00:00:31.149097	32
9	22FEB2008 00:00:31.274101	5	22FEB2008 00:00:31.274101	32
10	22FEB2008 00:00:31.399105	5	22FEB2008 00:00:31.399105	32
11	22FEB2008 00:00:31.524070	5	22FEB2008 00:00:31.524070	32
12	22FEB2008 00:00:31.649074	5	22FEB2008 00:00:31.649074	32
13	22FEB2008 00:00:31.774078	5	22FEB2008 00:00:31.774078	32
14	22FEB2008 00:00:31.899083	5	22FEB2008 00:00:31.899083	32
15	22FEB2008 00:00:32.024087	5	22FEB2008 00:00:32.024087	32
16	22FEB2008 00:00:32.149091	5	22FEB2008 00:00:32.149091	32
17	22FEB2008 00:00:32.274096	5	22FEB2008 00:00:32.274096	32
18	22FEB2008 00:00:32.399100	5	22FEB2008 00:00:32.399100	32
19	22FEB2008 00:00:32.524104	5	22FEB2008 00:00:32.524104	32

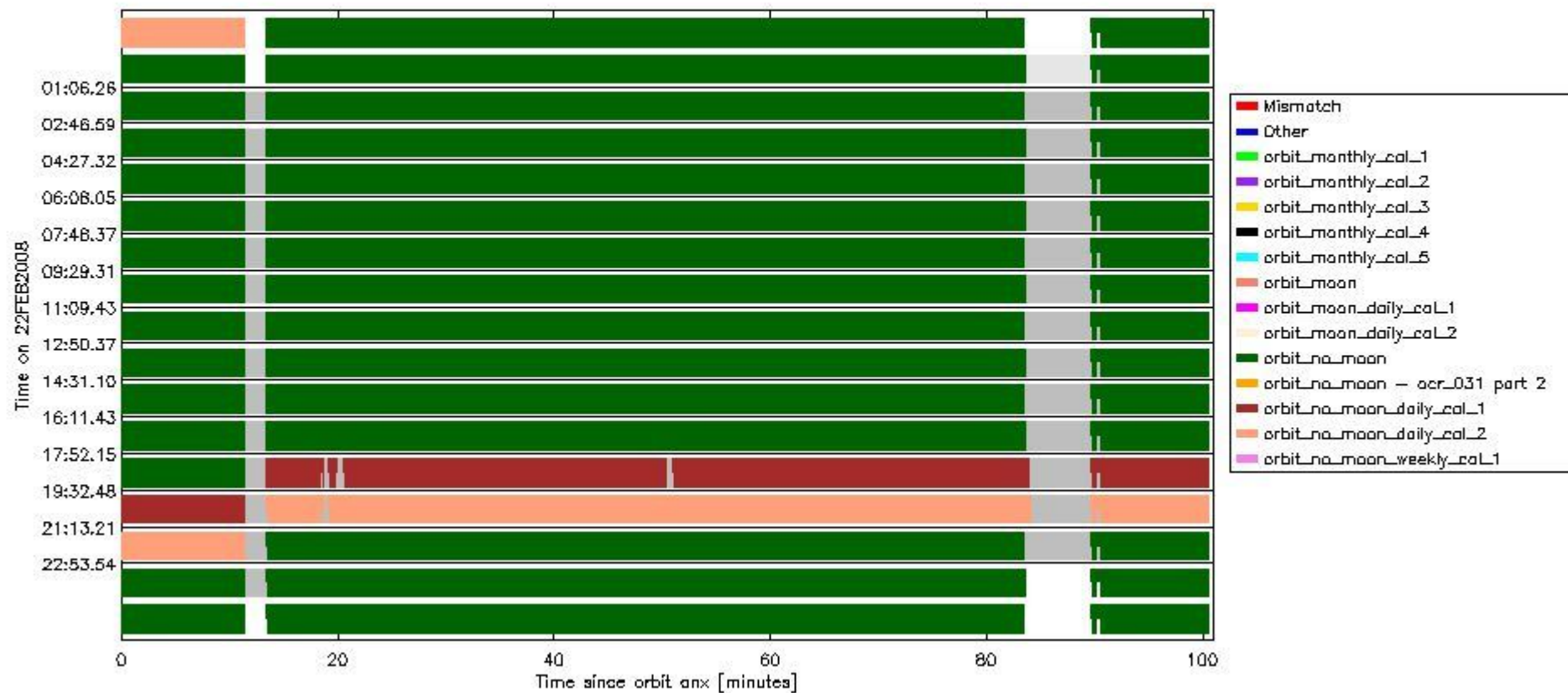


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080222_5.PNG

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 22FEB2008.
 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_20080222_6.PNG

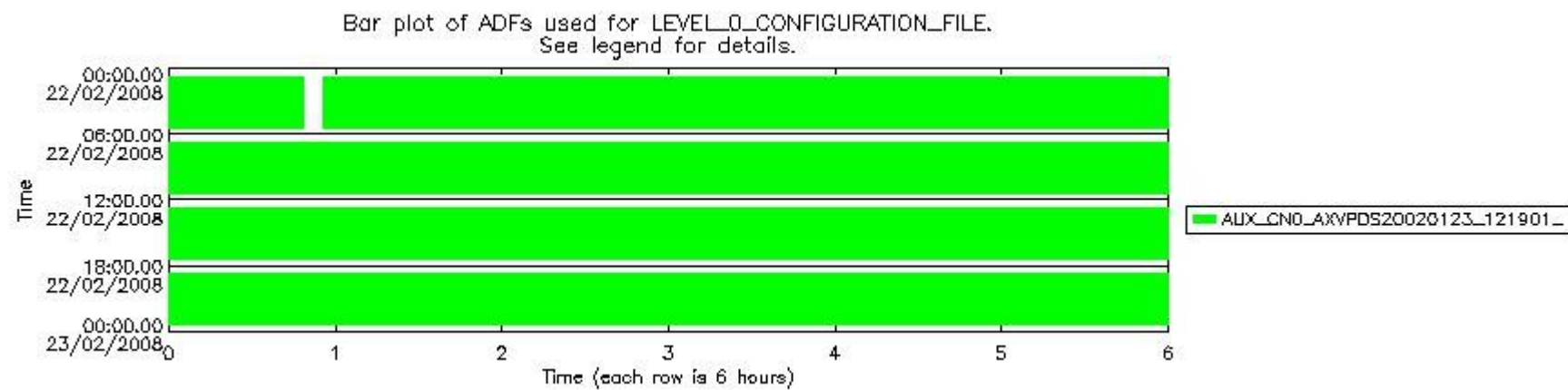
0.4 ADF monitoring

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

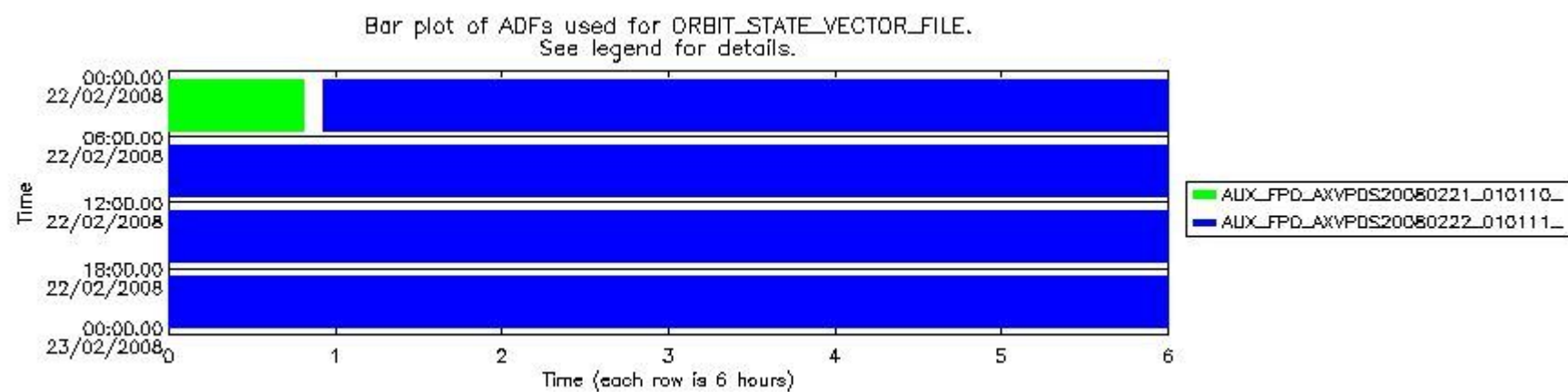
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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_AXVPDS20080221_010110_20080220_185532_20080301_202147
2	AUX_FPO_AXVPDS20080222_010111_20080221_182355_20080302_213046



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080222_7.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080222_8.PNG

