

0. SCIAMACHY Daily Report for level 0 products

[0.1 General Info](#)

[0.2 Product Quality Indicators](#)

[0.3 State monitoring](#)

[0.4 ADF monitoring](#)

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	17MAR2008 21:25:25
Data source version	KSPT_L0/4303-N
Processing scope for products	12MAR2008 00:00:00 to 13MAR2008 00:00:00
Start time of first product within scope	11MAR2008 23:49:55
Stop time of last product within scope	13MAR2008 01:04:47
Total number of level 0 products	15
Number of level 0 products with errors	6

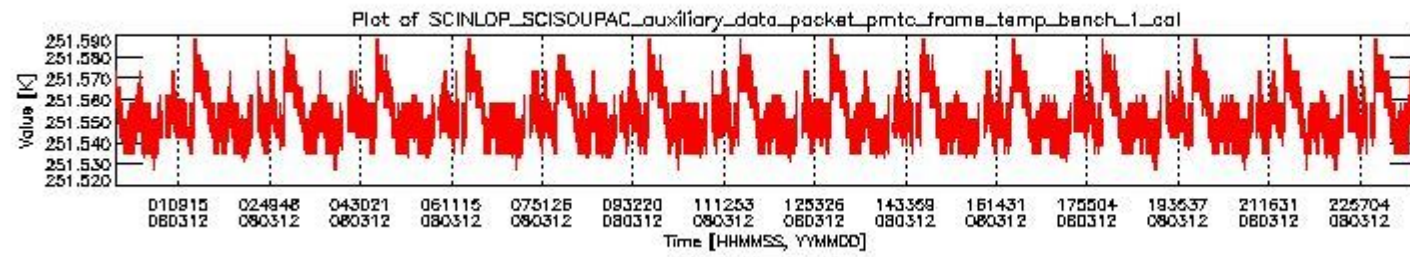
0.1.2 Summary per product

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

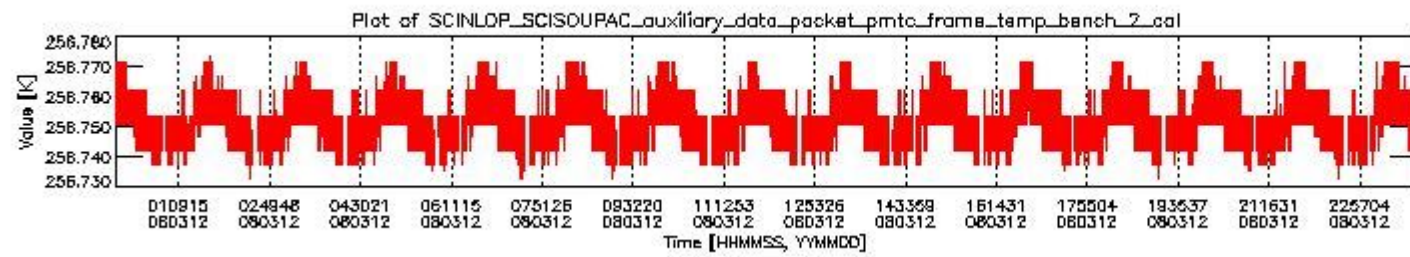
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080311_234955_000063962066_00417_31533_6245.N1	11MAR2008 23:49:55	12MAR2008 01:36:31	1	0	1	0	0
1	SCI_NL__OPNPDE20080312_013126_000064092066_00418_31534_6246.N1	12MAR2008 01:31:26	12MAR2008 03:18:14	1	0	1	0	0
2	SCI_NL__OPNPDE20080312_031514_000063962066_00419_31535_6247.N1	12MAR2008 03:15:14	12MAR2008 05:01:50	1	0	1	0	0
3	SCI_NL__OPNPDE20080312_045537_000065462066_00420_31536_6248.N1	12MAR2008 04:55:37	12MAR2008 06:44:43	1	1	1	0	1
4	SCI_NL__OPNPDK20080312_063830_000062162066_00421_31537_7626.N1	12MAR2008 06:38:30	12MAR2008 08:22:05	0	0	0	0	0
5	SCI_NL__OPNPDK20080312_082057_000059802066_00422_31538_7627.N1	12MAR2008 08:20:57	12MAR2008 10:00:36	0	0	0	0	0
6	SCI_NL__OPNPDK20080312_100036_000059672066_00423_31539_7628.N1	12MAR2008 10:00:36	12MAR2008 11:40:03	0	0	0	0	0
7	SCI_NL__OPNPDK20080312_113907_000060352066_00424_31540_7629.N1	12MAR2008 11:39:07	12MAR2008 13:19:43	0	0	0	0	0
8	SCI_NL__OPNPDK20080312_131847_000058982066_00425_31541_7630.N1	12MAR2008 13:18:47	12MAR2008 14:57:05	0	0	0	0	0
9	SCI_NL__OPNPDK20080312_145705_000058552066_00426_31542_7631.N1	12MAR2008 14:57:05	12MAR2008 16:34:41	0	0	0	0	0
10	SCI_NL__OPNPDK20080312_163345_000060052066_00427_31543_7632.N1	12MAR2008 16:33:45	12MAR2008 18:13:50	0	0	0	0	0
11	SCI_NL__OPNPDK20080312_181254_000058722066_00428_31544_7633.N1	12MAR2008 18:12:54	12MAR2008 19:50:46	0	0	0	0	0
12	SCI_NL__OPNPDK20080312_195046_000061732066_00429_31545_7634.N1	12MAR2008 19:50:46	12MAR2008 21:33:39	0	0	0	0	0
13	SCI_NL__OPNPDE20080312_213122_000067832066_00430_31546_6250.N1	12MAR2008 21:31:22	12MAR2008 23:24:24	1	0	1	0	0
14	SCI_NL__OPNPDE20080312_231811_000063962066_00431_31547_6254.N1	12MAR2008 23:18:11	13MAR2008 01:04:47	1	0	1	0	0

0.2 Product Quality Indicators

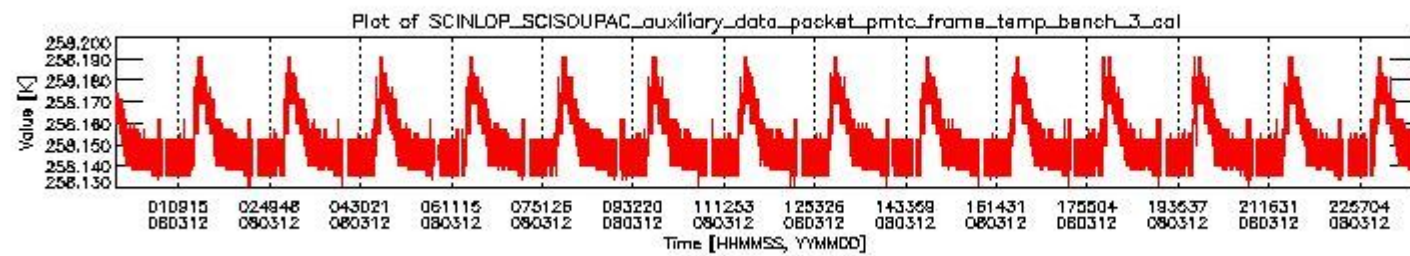
This section shows information about product quality, currently temperatures.



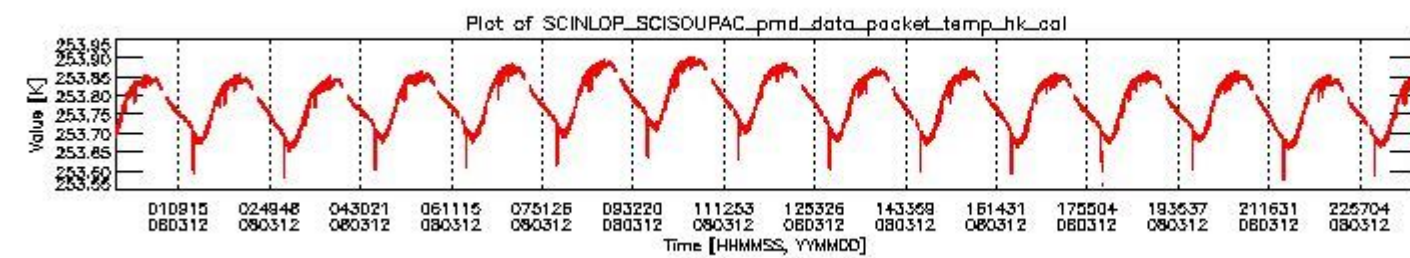
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080312_0.PNG



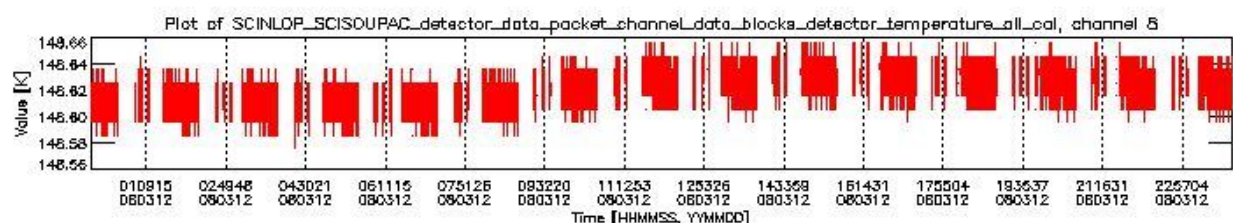
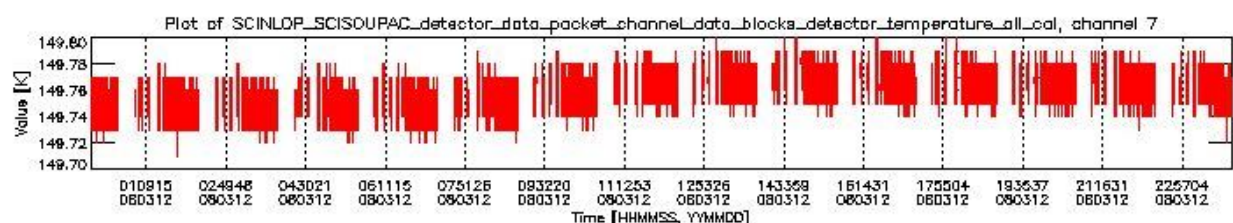
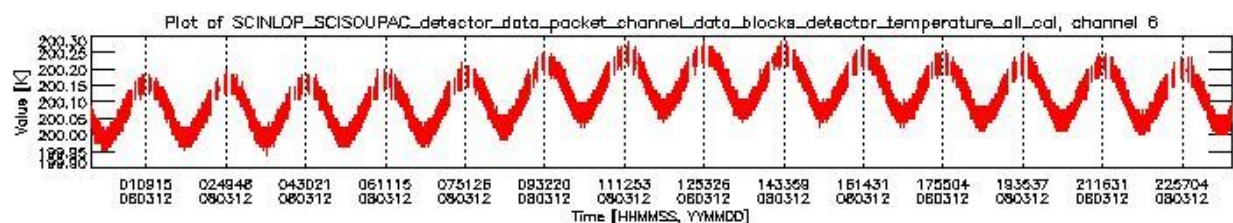
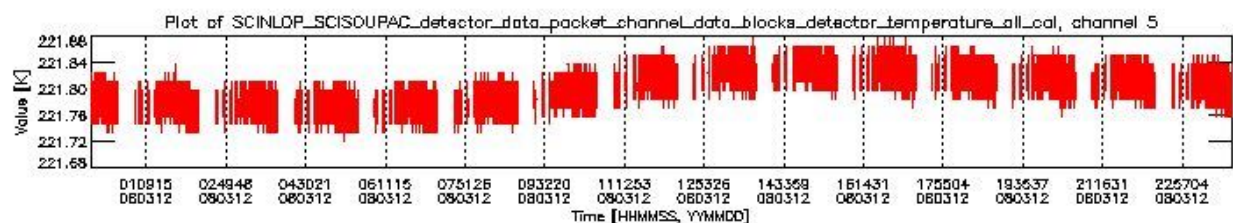
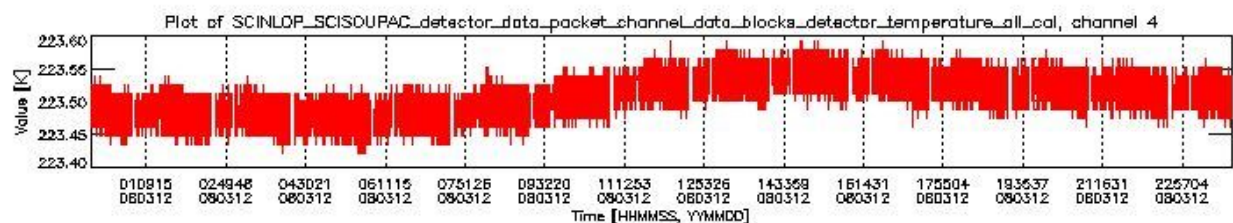
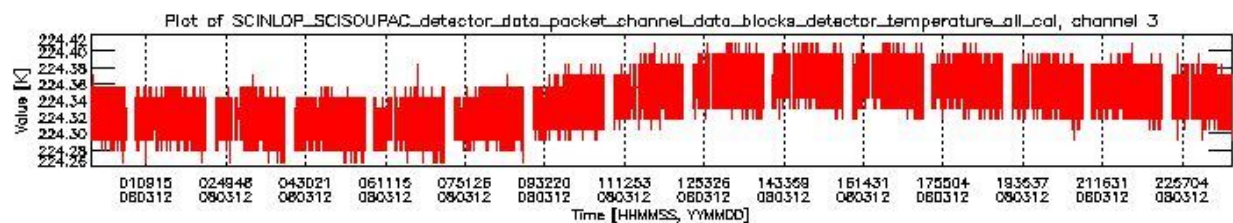
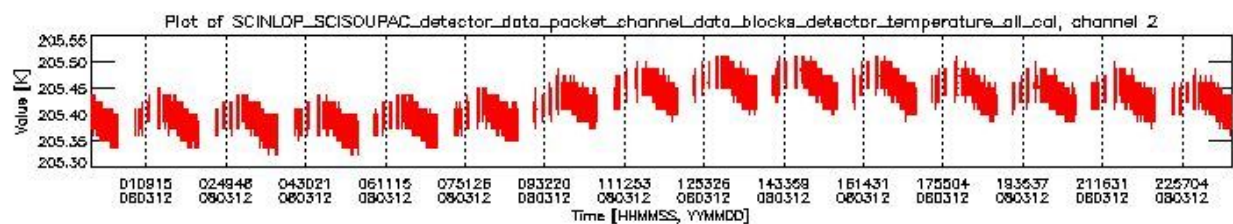
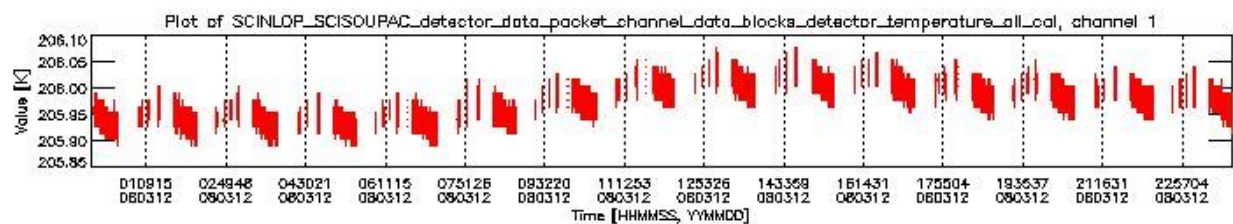
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080312_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080312_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080312_3.PNG

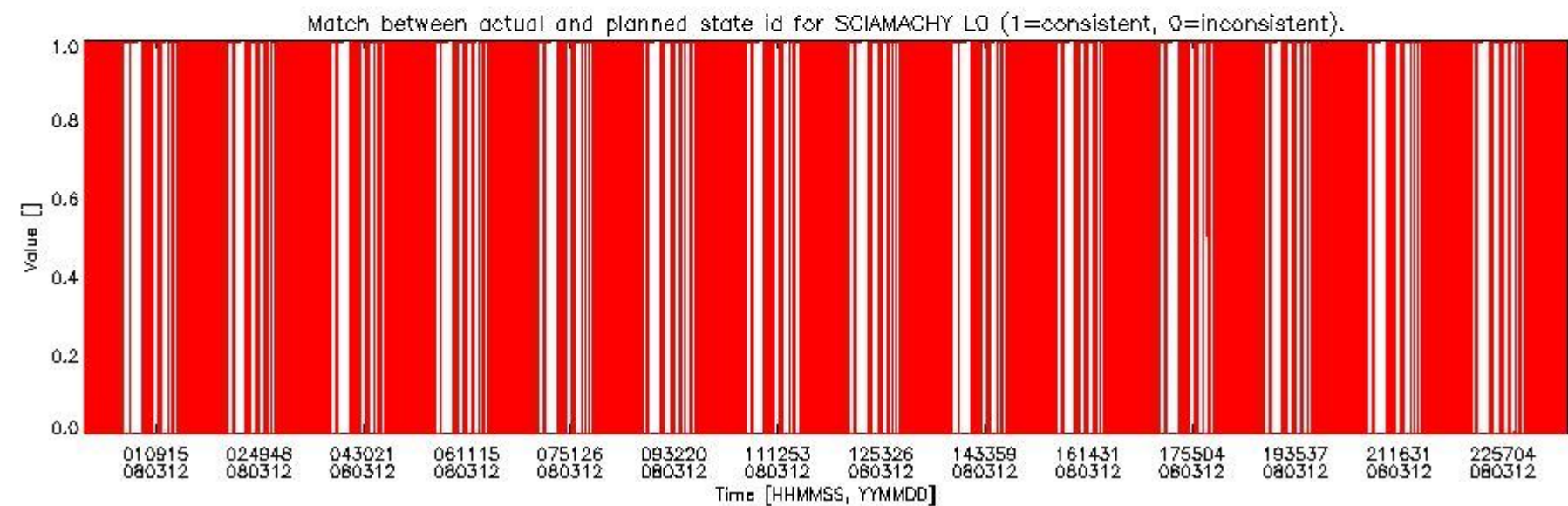
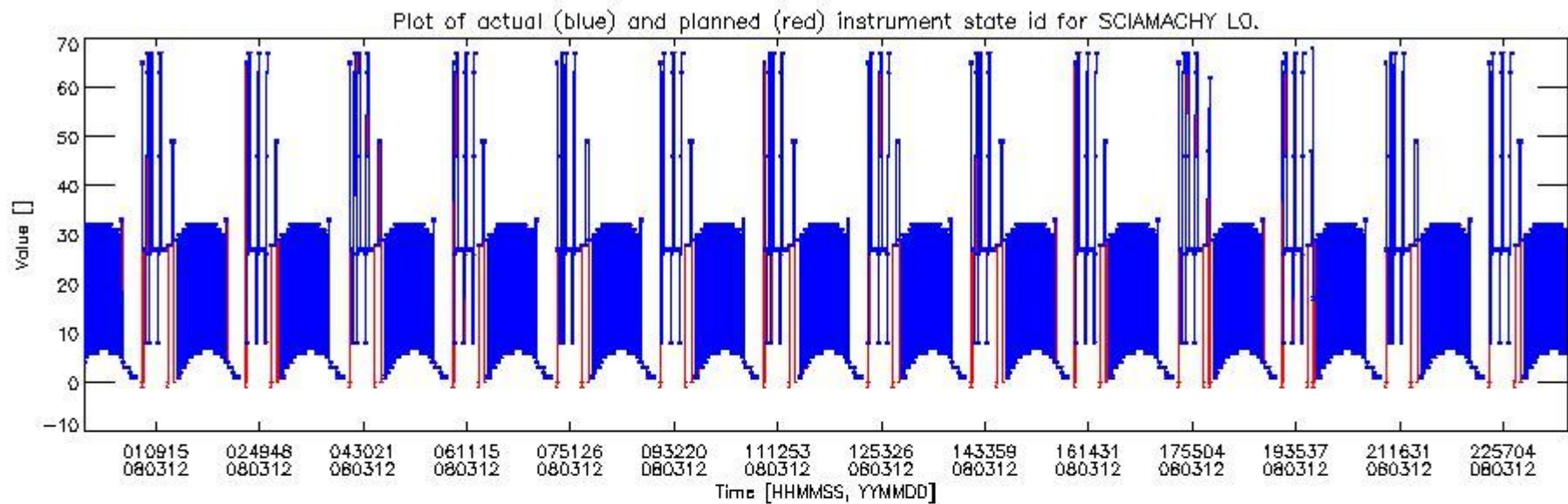


0.3 State monitoring

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: **33473**

#	Actual time	Actual value	Planned time	Planned value
0	12MAR2008 00:00:17.158185	32	12MAR2008 00:00:17.158185	4
1	12MAR2008 00:00:17.783207	32	12MAR2008 00:00:17.783207	4
2	12MAR2008 00:00:18.158220	32	12MAR2008 00:00:18.158220	4
3	12MAR2008 00:00:18.533193	32	12MAR2008 00:00:18.533193	4
4	12MAR2008 00:00:19.095692	32	12MAR2008 00:00:19.095692	4
5	12MAR2008 00:00:19.470705	32	12MAR2008 00:00:19.470705	4
6	12MAR2008 00:00:19.845718	32	12MAR2008 00:00:19.845718	4
7	12MAR2008 00:00:20.220691	32	12MAR2008 00:00:20.220691	4
8	12MAR2008 00:00:20.783190	32	12MAR2008 00:00:20.783190	4
9	12MAR2008 00:00:21.158203	32	12MAR2008 00:00:21.158203	4
10	12MAR2008 00:00:21.533217	32	12MAR2008 00:00:21.533217	4
11	12MAR2008 00:00:21.908189	32	12MAR2008 00:00:21.908189	4
12	12MAR2008 00:00:22.158198	32	12MAR2008 00:00:22.158198	4
13	12MAR2008 00:00:22.470689	32	12MAR2008 00:00:22.470689	4
14	12MAR2008 00:00:22.845702	32	12MAR2008 00:00:22.845702	4
15	12MAR2008 00:00:23.220715	32	12MAR2008 00:00:23.220715	4
16	12MAR2008 00:00:23.595688	32	12MAR2008 00:00:23.595688	4
17	12MAR2008 00:00:24.158187	32	12MAR2008 00:00:24.158187	4
18	12MAR2008 00:00:24.533200	32	12MAR2008 00:00:24.533200	4
19	12MAR2008 00:01:13.029296	5	12MAR2008 00:01:13.029296	32
...

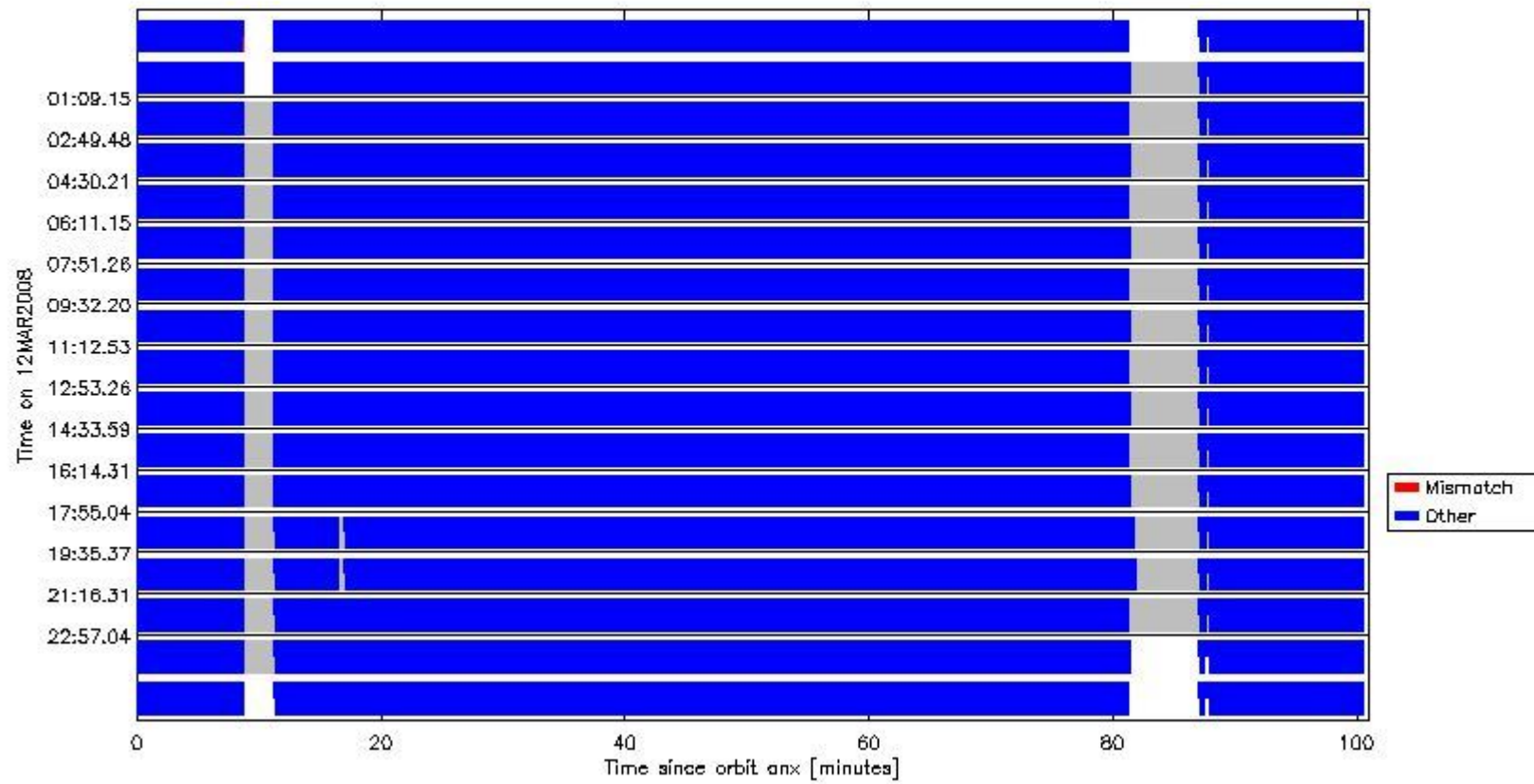


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080312_5.PNG

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 12MAR2008.
 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_20080312_6.PNG

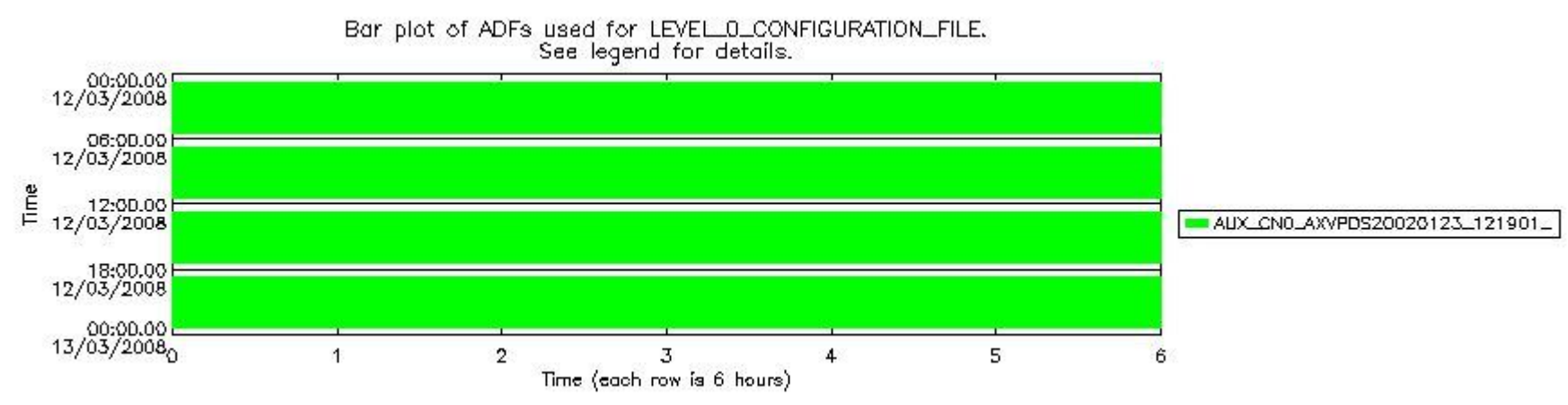
0.4 ADF monitoring

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

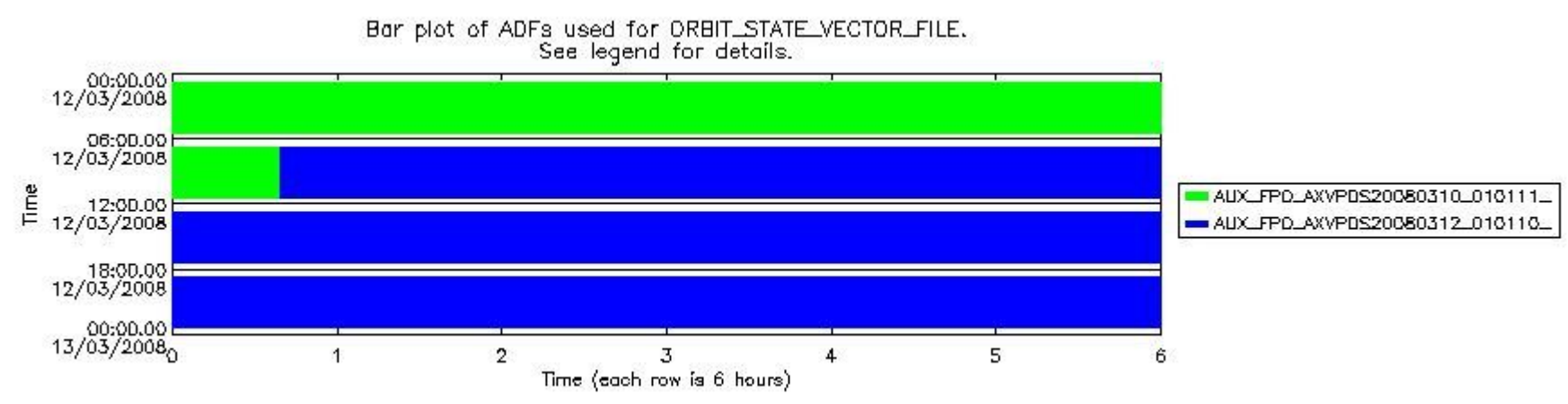
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

If multiple ADFs of a single type were used, these are marked **red** in the table.

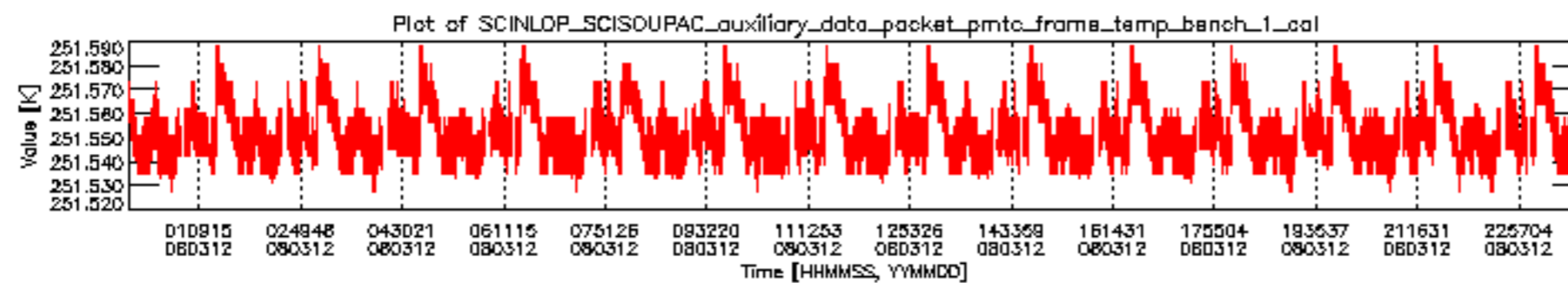
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080310_010111_20080309_193003_20080319_205617
2	AUX_FPO_AXVPDS20080312_010110_20080311_182649_20080321_213339

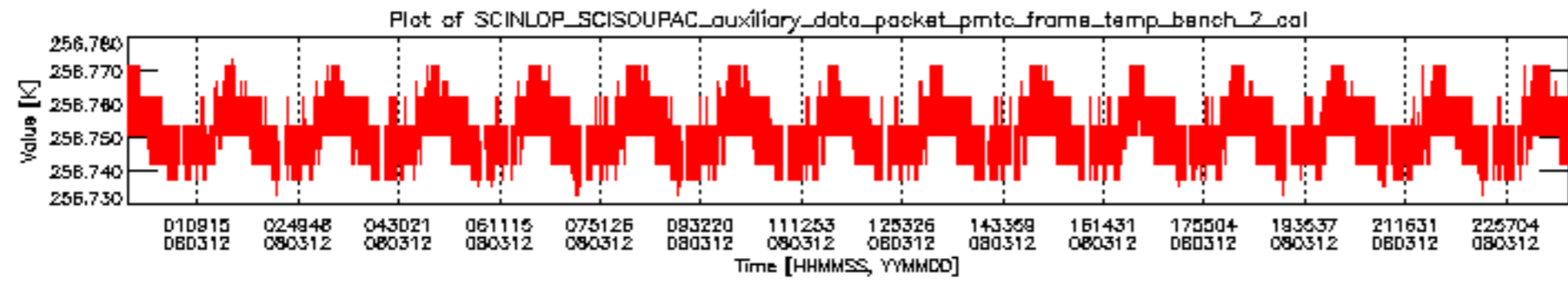


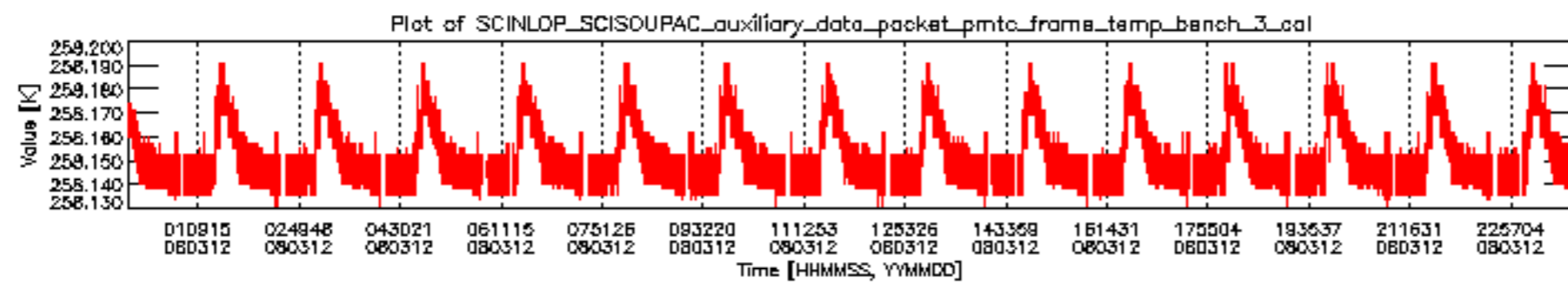
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080312_7.PNG

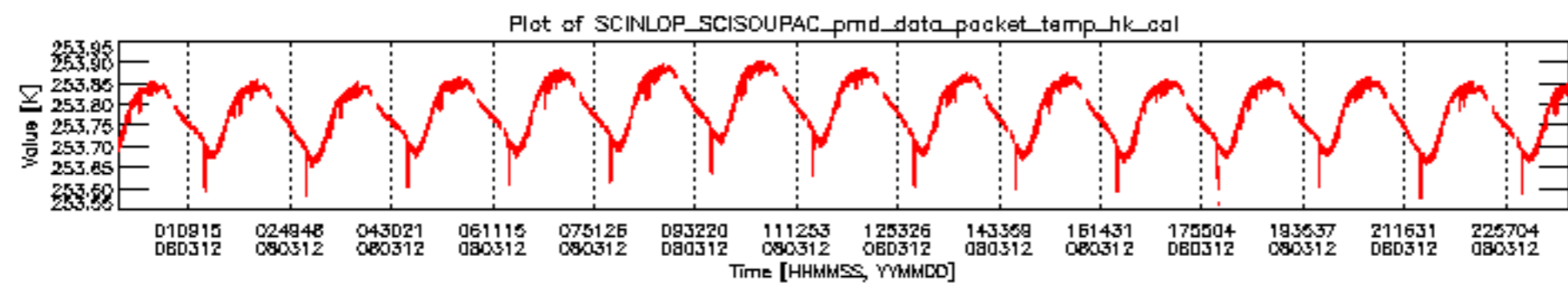


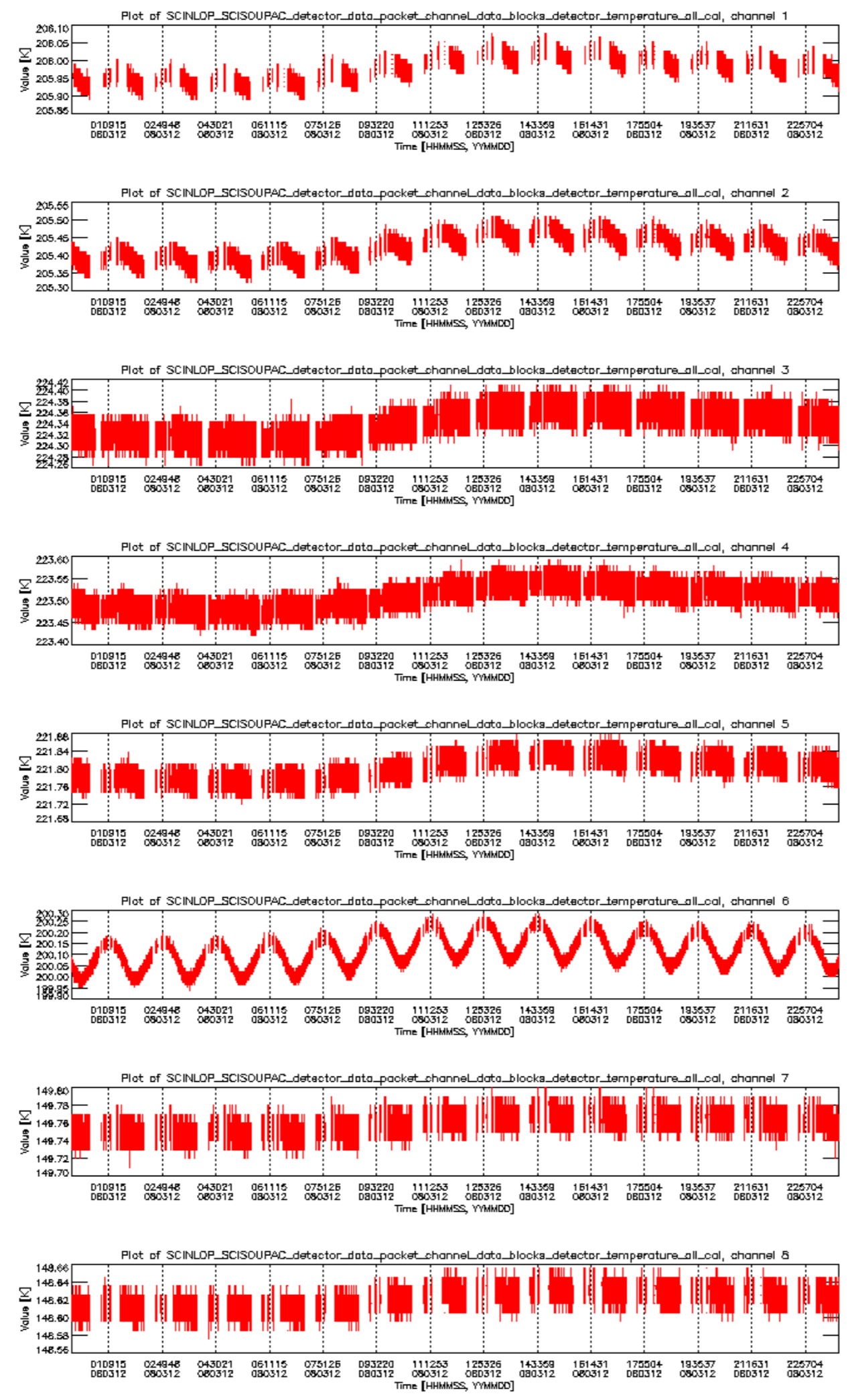
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080312_8.PNG

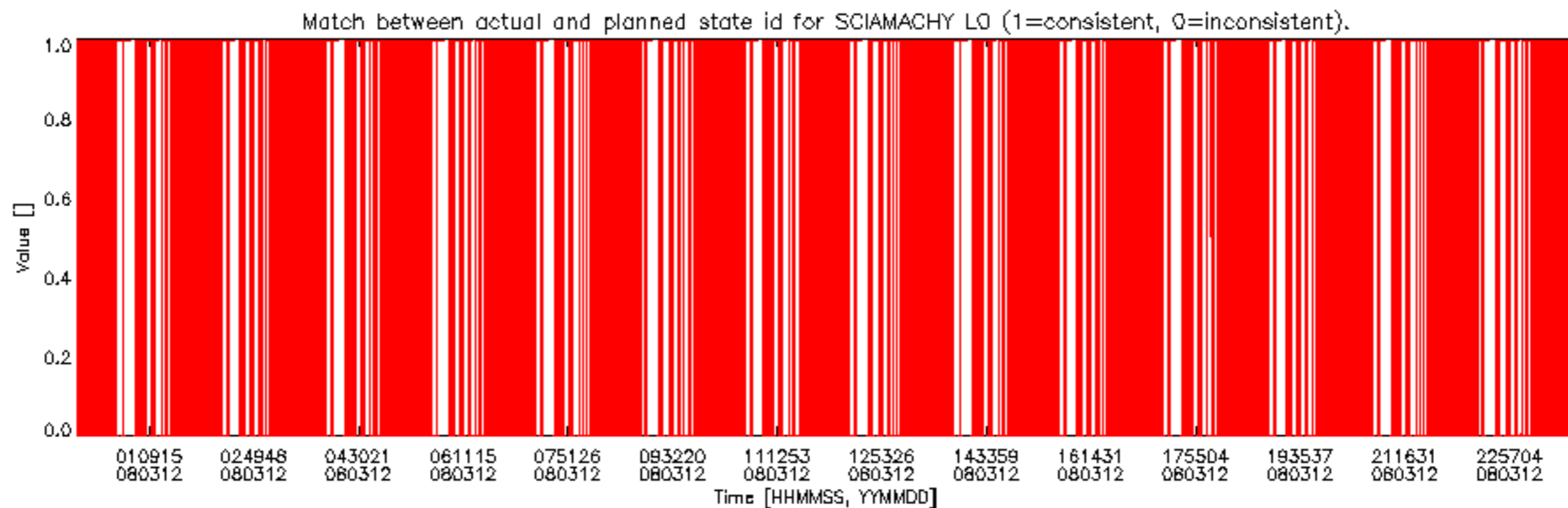
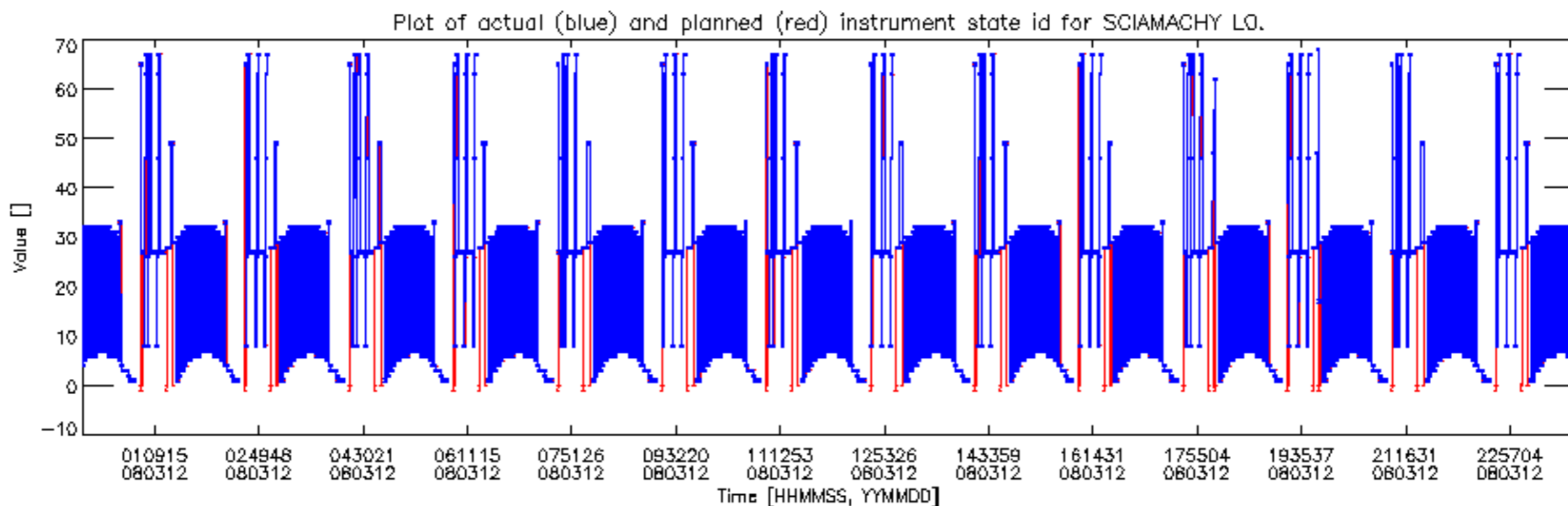












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 12MAR2008.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

