

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	28FEB2008 13:47:00
Data source version	KSPT_L0/4303-N
Processing scope for products	25FEB2008 00:00:00 to 26FEB2008 00:00:00
Start time of first product within scope	24FEB2008 23:20:23
Stop time of last product within scope	26FEB2008 00:21:47
Total number of level 0 products	16
Number of level 0 products with errors	0

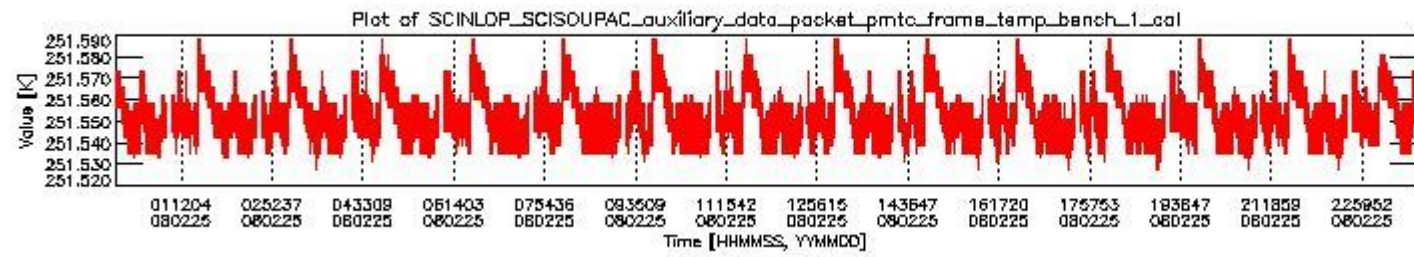
0.1.2 Summary per product

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

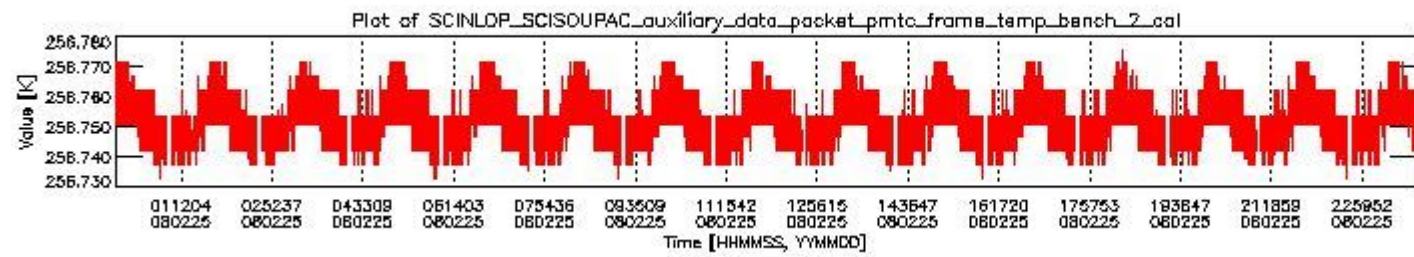
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080224_232023_000060352066_00187_31303_6204.N1	24FEB2008 23:20:23	25FEB2008 01:00:59	0	0	0	0	0
1	SCI_NL__OPNPDE20080225_010059_000045412066_00188_31304_6205.N1	25FEB2008 01:00:59	25FEB2008 02:16:40	0	0	0	0	0
2	SCI_NL__OPNPDE20080225_021531_000059112066_00189_31305_6206.N1	25FEB2008 02:15:31	25FEB2008 03:54:02	0	0	0	0	0
3	SCI_NL__OPNPDE20080225_035254_000061042066_00190_31306_6207.N1	25FEB2008 03:52:54	25FEB2008 05:34:38	0	0	0	0	0
4	SCI_NL__OPNPDE20080225_053342_000060912066_00191_31307_6208.N1	25FEB2008 05:33:42	25FEB2008 07:15:13	0	0	0	0	0
5	SCI_NL__OPNPDK20080225_071405_000039892066_00192_31308_7482.N1	25FEB2008 07:14:05	25FEB2008 08:20:34	0	0	0	0	0
6	SCI_NL__OPNPDK20080225_081938_000062722066_00193_31309_7483.N1	25FEB2008 08:19:38	25FEB2008 10:04:09	0	0	0	0	0
7	SCI_NL__OPNPDK20080225_100313_000059802066_00194_31310_7484.N1	25FEB2008 10:03:13	25FEB2008 11:42:53	0	0	0	0	0
8	SCI_NL__OPNPDK20080225_114144_000060352066_00195_31311_7485.N1	25FEB2008 11:41:44	25FEB2008 13:22:20	0	0	0	0	0
9	SCI_NL__OPNPDK20080225_132111_000058552066_00196_31312_7486.N1	25FEB2008 13:21:11	25FEB2008 14:58:46	0	0	0	0	0
10	SCI_NL__OPNPDK20080225_145655_000059802066_00197_31313_7487.N1	25FEB2008 14:56:55	25FEB2008 16:36:34	0	0	0	0	0
11	SCI_NL__OPNPDK20080225_163416_000060362066_00198_31314_7488.N1	25FEB2008 16:34:16	25FEB2008 18:14:52	0	0	0	0	0
12	SCI_NL__OPNPDK20080225_181452_000059792066_00199_31315_7489.N1	25FEB2008 18:14:52	25FEB2008 19:54:30	0	0	0	0	0
13	SCI_NL__OPNPDE20080225_195239_000041062066_00200_31316_6209.N1	25FEB2008 19:52:39	25FEB2008 21:01:04	0	0	0	0	0
14	SCI_NL__OPNPDE20080225_210803_000060352066_00200_31316_6210.N1	25FEB2008 21:08:03	25FEB2008 22:48:39	0	0	0	0	0
15	SCI_NL__OPNPDE20080225_224839_000055882066_00201_31317_6211.N1	25FEB2008 22:48:39	26FEB2008 00:21:47	0	0	0	0	0

0.2 Product Quality Indicators

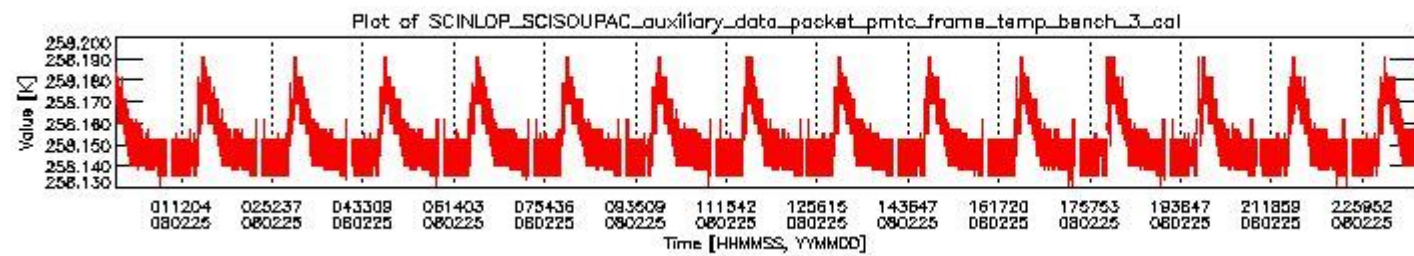
This section shows information about product quality, currently temperatures.



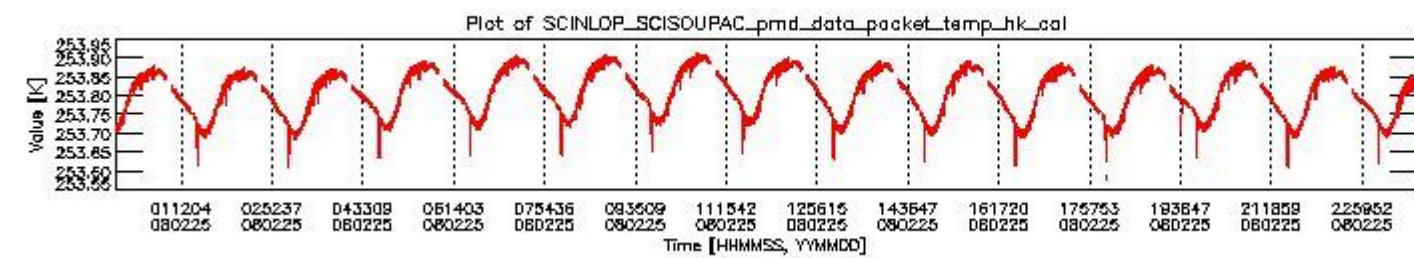
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080225_0.PNG



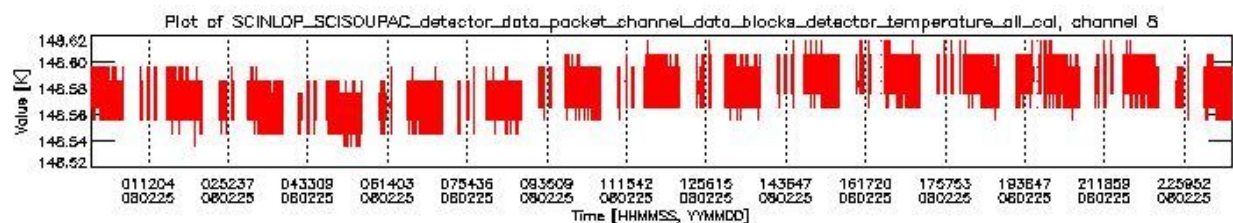
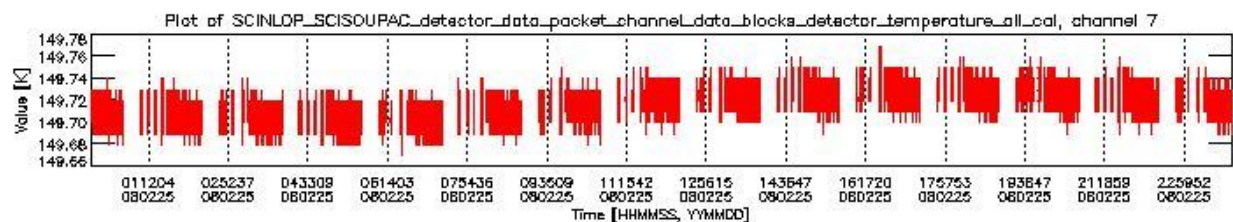
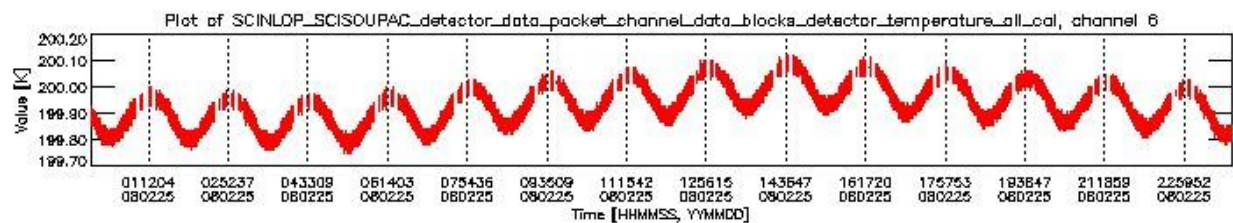
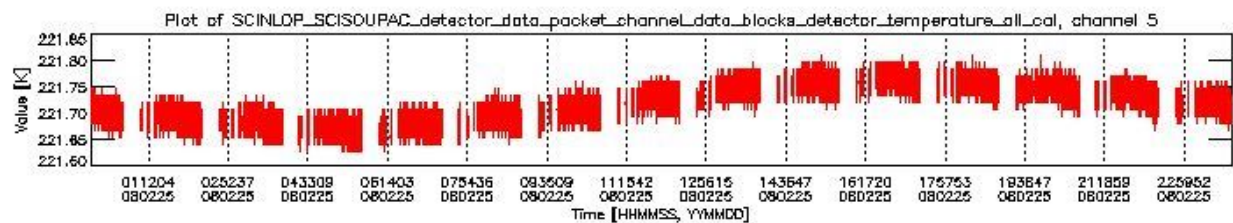
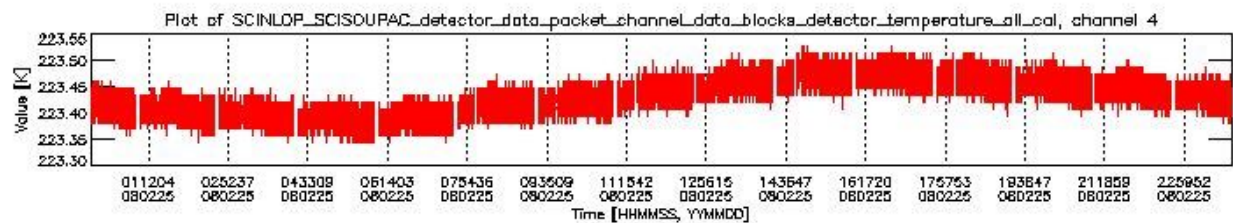
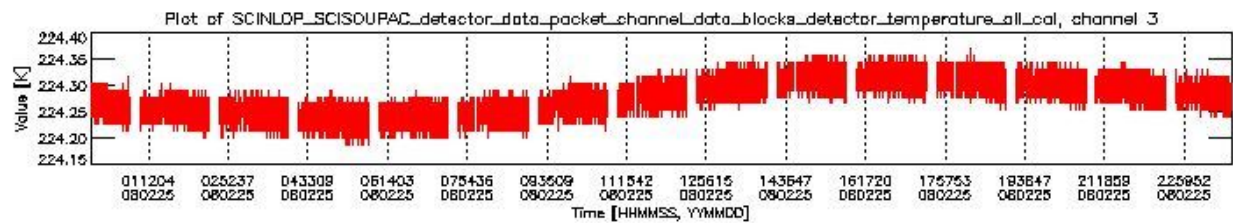
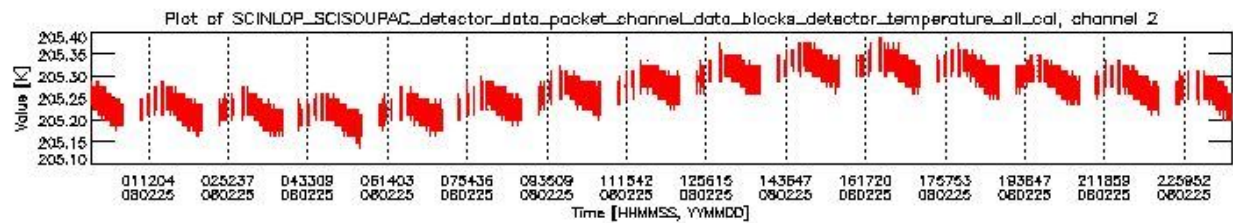
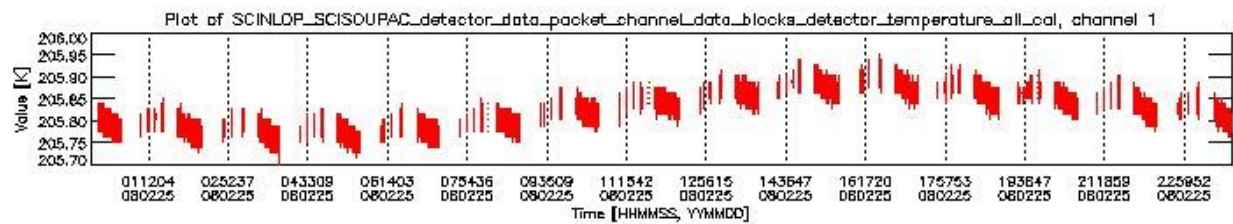
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080225_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080225_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080225_3.PNG

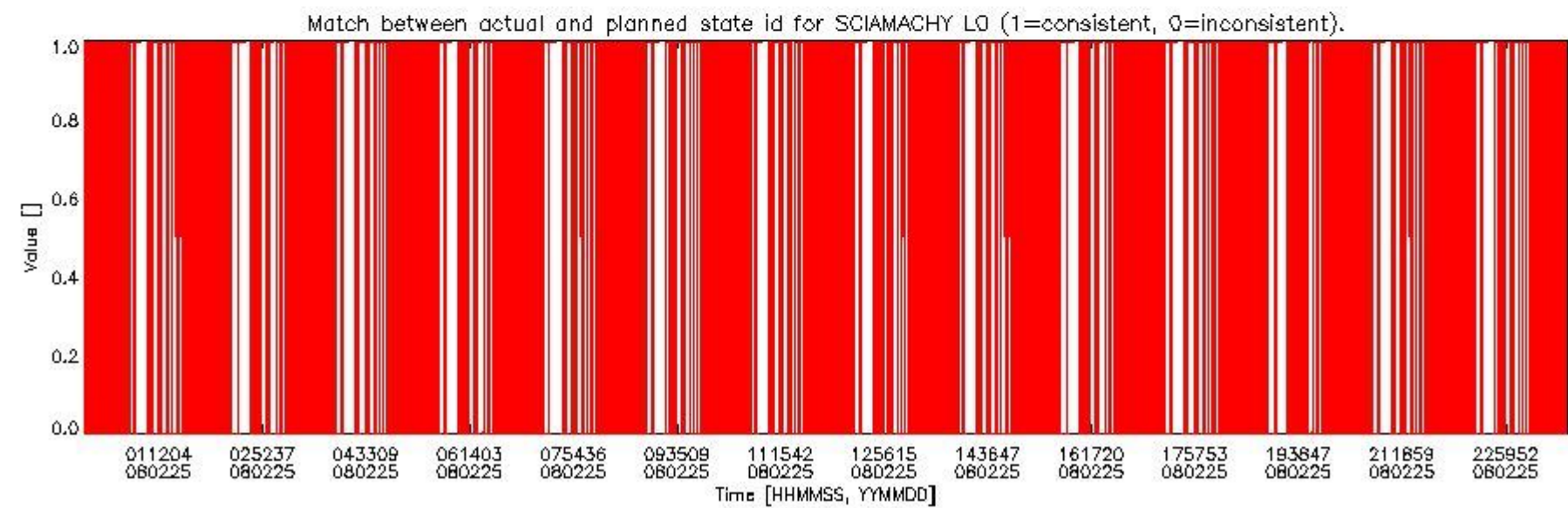
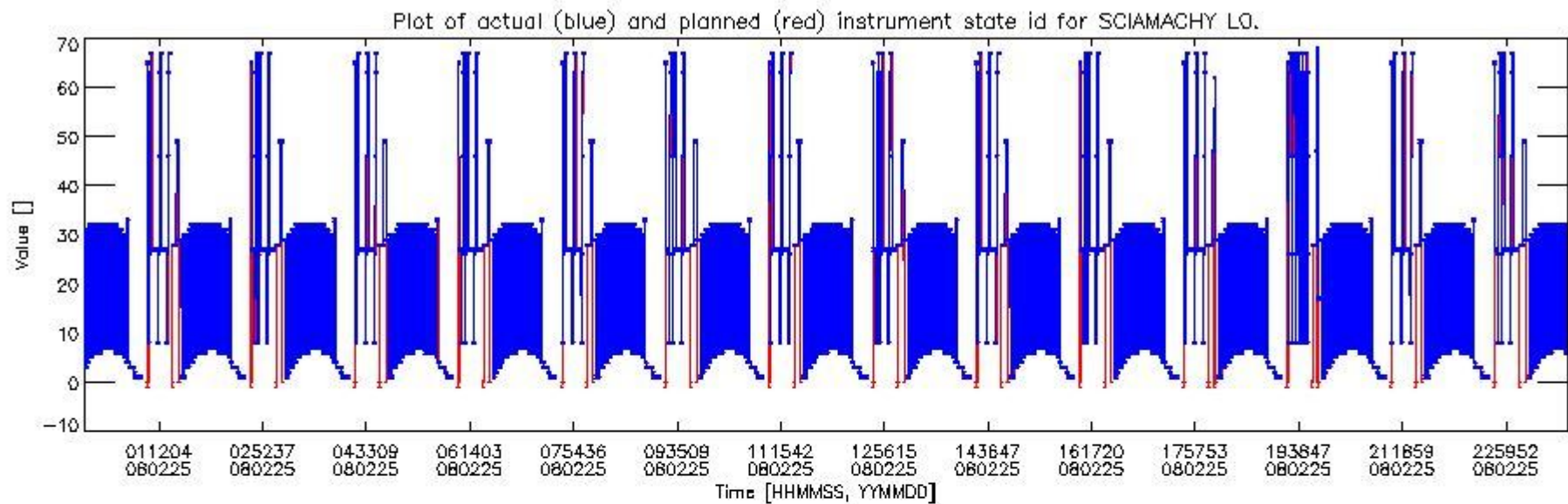


0.3 State monitoring

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: **38623**

#	Actual time	Actual value	Planned time	Planned value
0	25FEB2008 00:00:37.007001	3	25FEB2008 00:00:37.007001	31
1	25FEB2008 00:00:37.257010	3	25FEB2008 00:00:37.257010	31
2	25FEB2008 00:00:37.382014	3	25FEB2008 00:00:37.382014	31
3	25FEB2008 00:00:37.506978	3	25FEB2008 00:00:37.506978	31
4	25FEB2008 00:00:37.631983	3	25FEB2008 00:00:37.631983	31
5	25FEB2008 00:00:37.756987	3	25FEB2008 00:00:37.756987	31
6	25FEB2008 00:00:37.881991	3	25FEB2008 00:00:37.881991	31
7	25FEB2008 00:00:38.006996	3	25FEB2008 00:00:38.006996	31
8	25FEB2008 00:00:38.132000	3	25FEB2008 00:00:38.132000	31
9	25FEB2008 00:00:38.257004	3	25FEB2008 00:00:38.257004	31
10	25FEB2008 00:00:38.382009	3	25FEB2008 00:00:38.382009	31
11	25FEB2008 00:00:38.507013	3	25FEB2008 00:00:38.507013	31
12	25FEB2008 00:00:38.631977	3	25FEB2008 00:00:38.631977	31
13	25FEB2008 00:00:38.756981	3	25FEB2008 00:00:38.756981	31
14	25FEB2008 00:00:38.881986	3	25FEB2008 00:00:38.881986	31
15	25FEB2008 00:00:39.006990	3	25FEB2008 00:00:39.006990	31
16	25FEB2008 00:00:39.131995	3	25FEB2008 00:00:39.131995	31
17	25FEB2008 00:00:39.256999	3	25FEB2008 00:00:39.256999	31
18	25FEB2008 00:00:39.382003	3	25FEB2008 00:00:39.382003	31
19	25FEB2008 00:00:39.507008	3	25FEB2008 00:00:39.507008	31

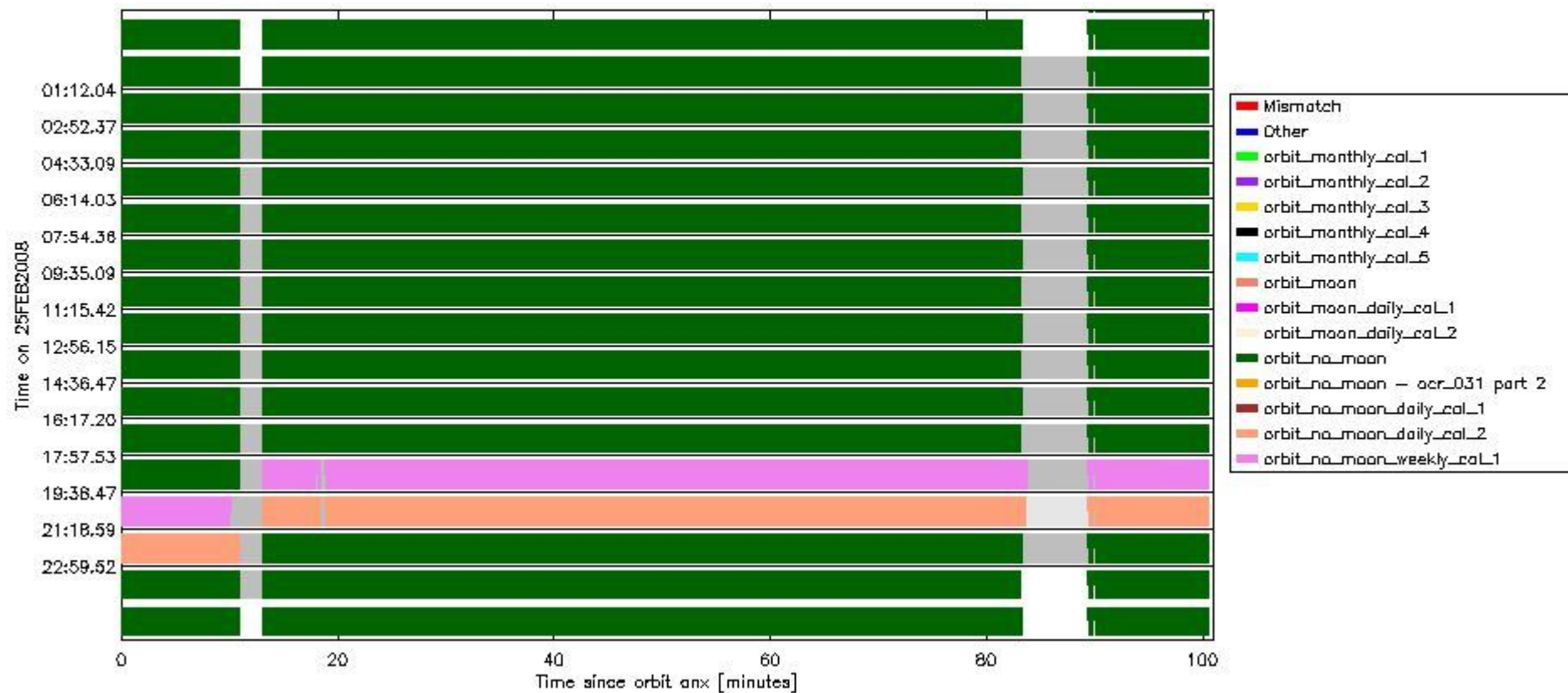


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080225_5.PNG

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 25FEB2008.
 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_20080225_6.PNG

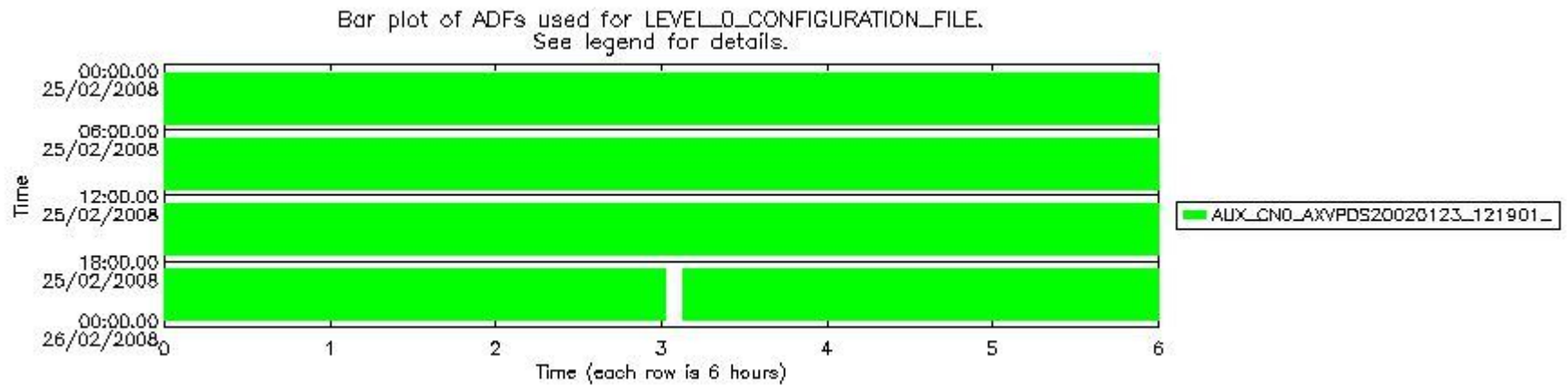
0.4 ADF monitoring

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

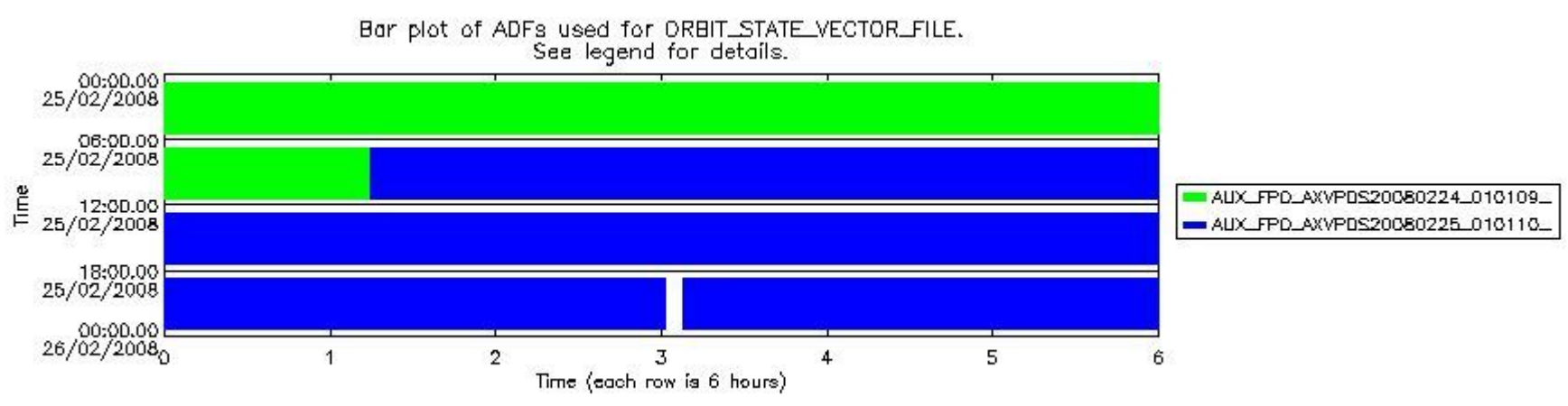
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

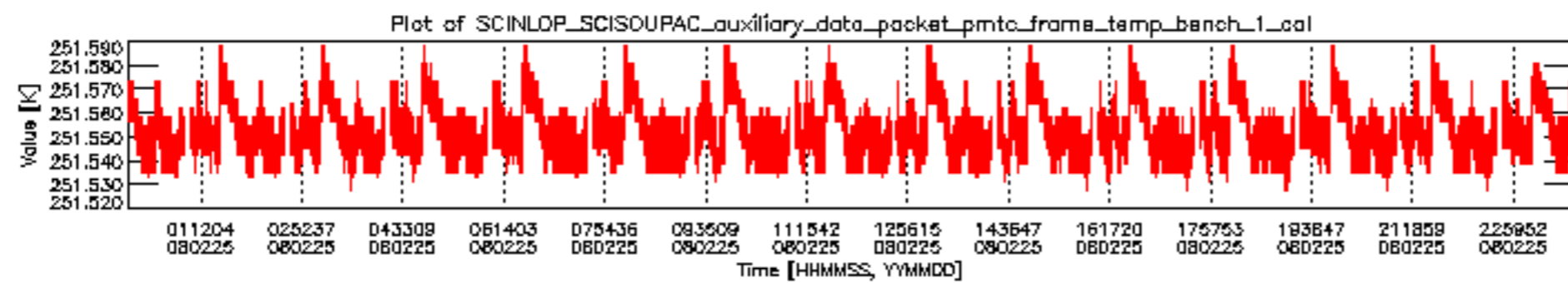
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080224_010109_20080223_190118_20080304_202732
2	AUX_FPO_AXVPDS20080225_010110_20080224_182941_20080305_213631

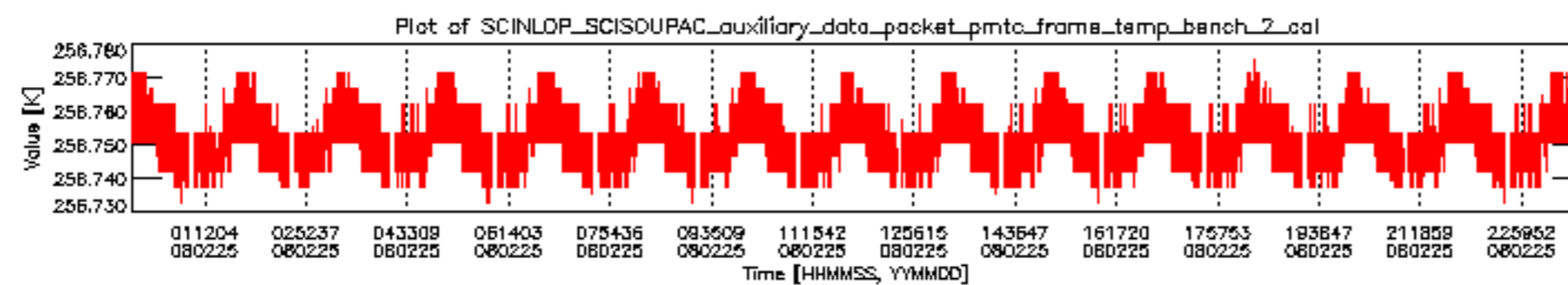


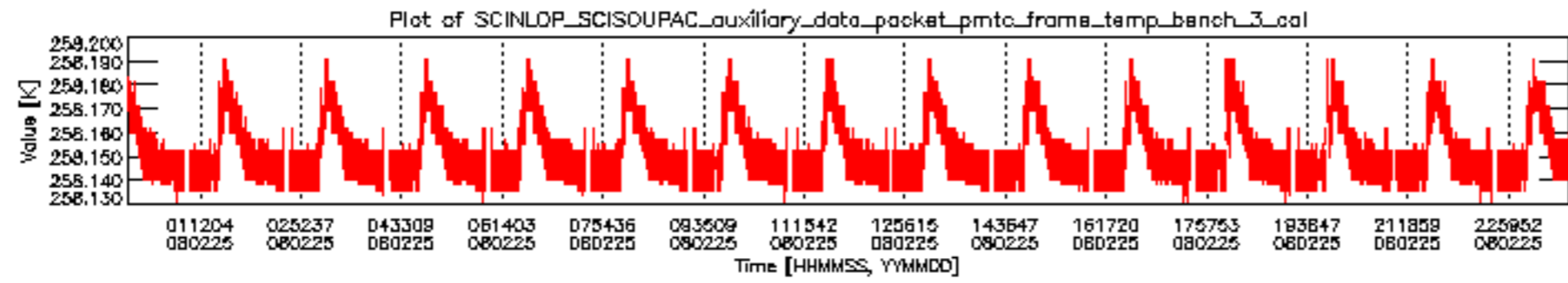
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080225_7.PNG

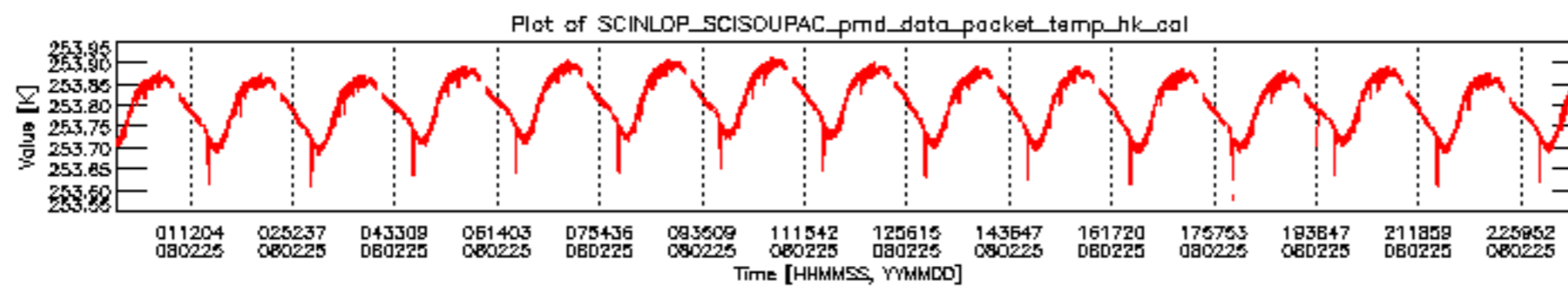


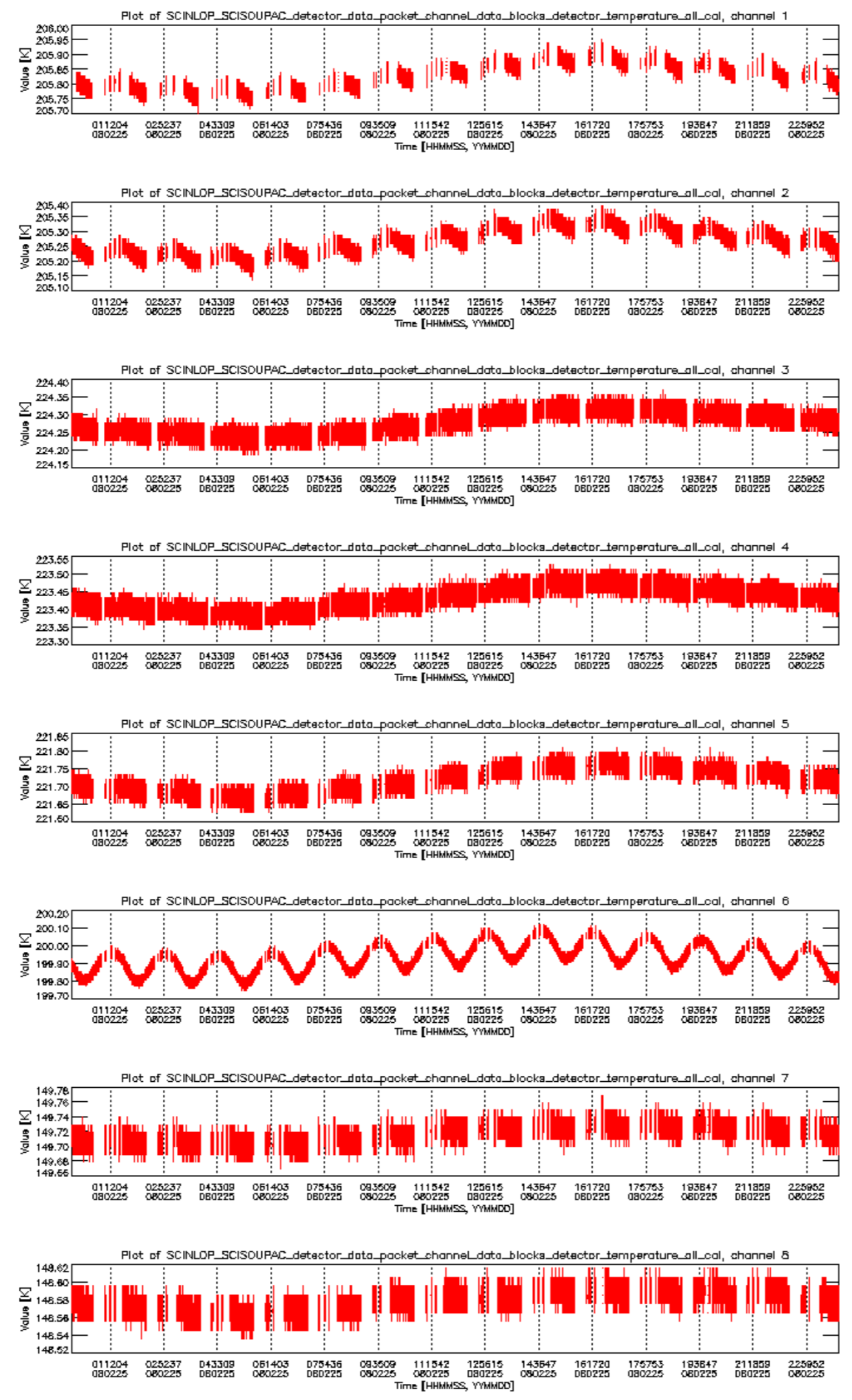
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080225_8.PNG

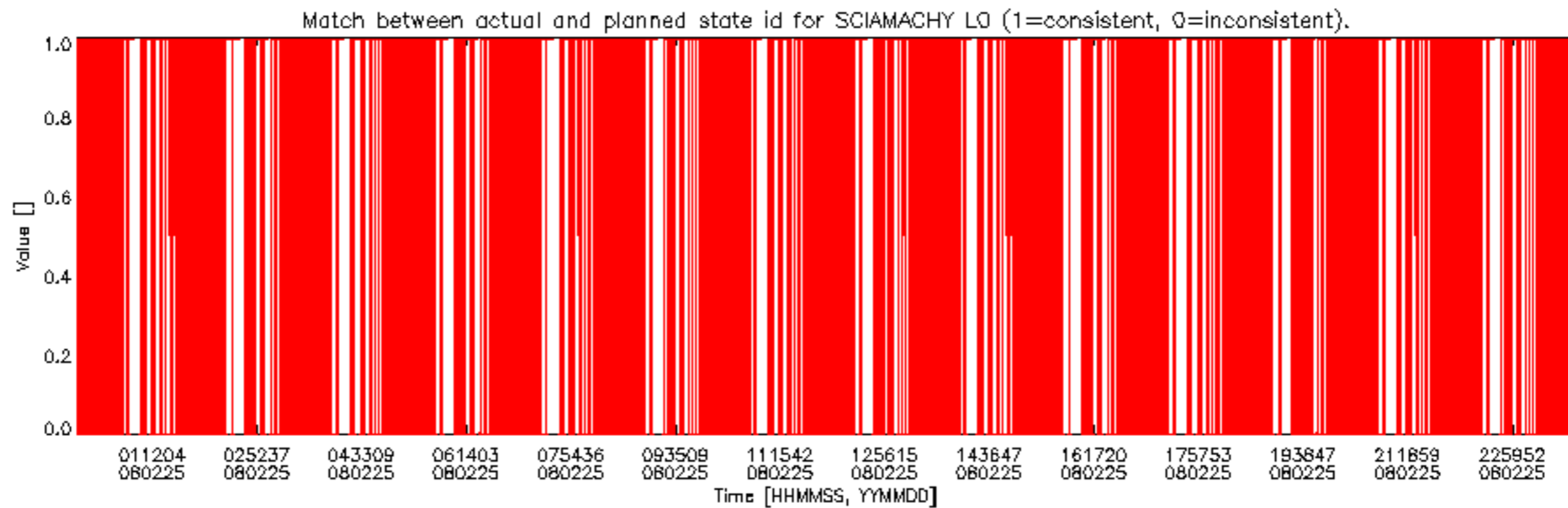
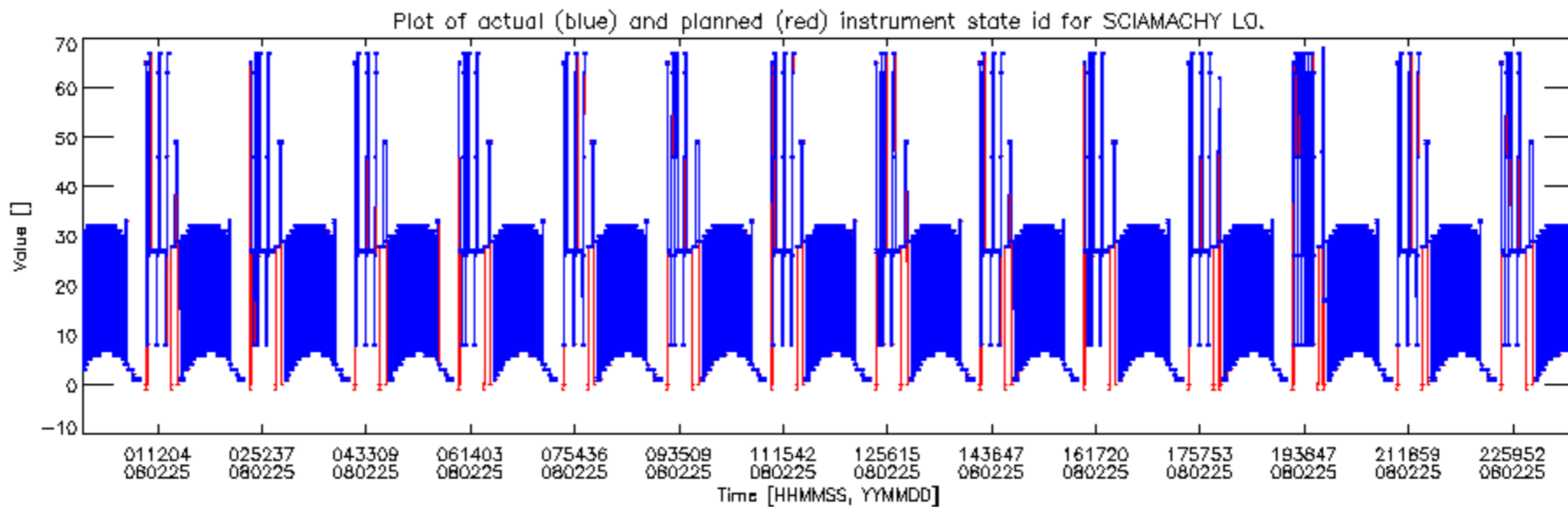












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