

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	31MAR2008 04:21:19
Data source version	KSPT_L0/4303-N
Processing scope for products	27MAR2008 00:00:00 to 28MAR2008 00:00:00
Start time of first product within scope	26MAR2008 22:35:18
Stop time of last product within scope	28MAR2008 01:34:12
Total number of level 0 products	16
Number of level 0 products with errors	6

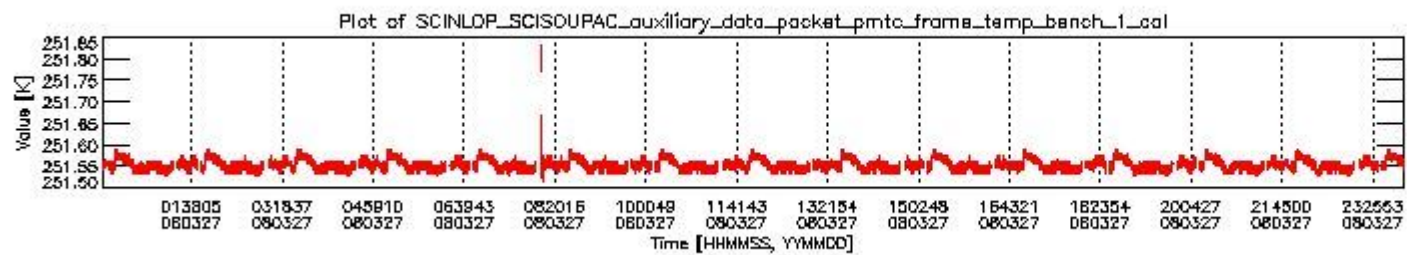
0.1.2 Summary per product

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

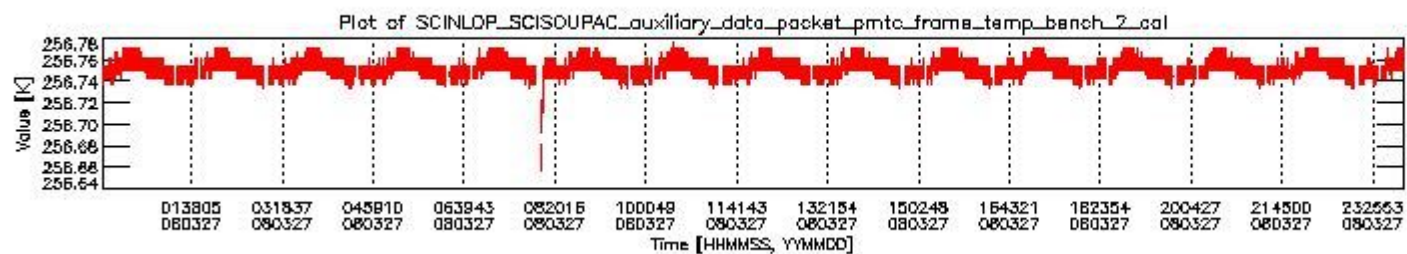
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080326_223518_000065892067_00130_31747_6313.N1	26MAR2008 22:35:18	27MAR2008 00:25:07	1	0	1	0	0
1	SCI_NL__OPNPDE20080327_001854_000064212067_00131_31748_6314.N1	27MAR2008 00:18:54	27MAR2008 02:05:55	1	0	1	0	0
2	SCI_NL__OPNPDE20080327_020146_000063962067_00132_31749_6315.N1	27MAR2008 02:01:46	27MAR2008 03:48:22	1	0	1	0	0
3	SCI_NL__OPNPDE20080327_034413_000064222067_00133_31750_6316.N1	27MAR2008 03:44:13	27MAR2008 05:31:15	1	0	1	0	0
4	SCI_NL__OPNPDK20080327_052557_000062162067_00134_31751_7773.N1	27MAR2008 05:25:57	27MAR2008 07:09:33	0	0	0	0	0
5	SCI_NL__OPNPDK20080327_070837_000059802067_00135_31752_7774.N1	27MAR2008 07:08:37	27MAR2008 08:48:17	0	0	0	0	0
6	SCI_NL__OPNPDK20080327_084817_000060232067_00136_31753_7775.N1	27MAR2008 08:48:17	27MAR2008 10:28:40	0	0	0	0	0
7	SCI_NL__OPNPDK20080327_102840_000059802067_00137_31754_7776.N1	27MAR2008 10:28:40	27MAR2008 12:08:19	0	0	0	0	0
8	SCI_NL__OPNPDK20080327_120819_000058422067_00138_31755_7777.N1	27MAR2008 12:08:19	27MAR2008 13:45:42	0	0	0	0	0
9	SCI_NL__OPNPDK20080327_134337_000059802067_00139_31756_7778.N1	27MAR2008 13:43:37	27MAR2008 15:23:17	0	0	0	0	0
10	SCI_NL__OPNPDK20080327_152221_000060232067_00140_31757_7779.N1	27MAR2008 15:22:21	27MAR2008 17:02:44	0	0	0	0	0
11	SCI_NL__OPNPDK20080327_170052_000060022067_00141_31758_7780.N1	27MAR2008 17:00:52	27MAR2008 18:40:54	0	0	0	0	0
12	SCI_NL__OPNPDK20080327_183959_000060912067_00142_31759_7781.N1	27MAR2008 18:39:59	27MAR2008 20:21:30	0	0	0	0	0
13	SCI_NL__OPNPDK20080327_201954_000061092067_00143_31760_7782.N1	27MAR2008 20:19:54	27MAR2008 22:01:43	0	0	0	0	0
14	SCI_NL__OPNPDE20080327_215829_000068952067_00144_31761_6317.N1	27MAR2008 21:58:29	27MAR2008 23:53:24	1	0	1	0	0
15	SCI_NL__OPNPDE20080327_234710_000064212067_00145_31762_6318.N1	27MAR2008 23:47:10	28MAR2008 01:34:12	1	0	1	0	0

0.2 Product Quality Indicators

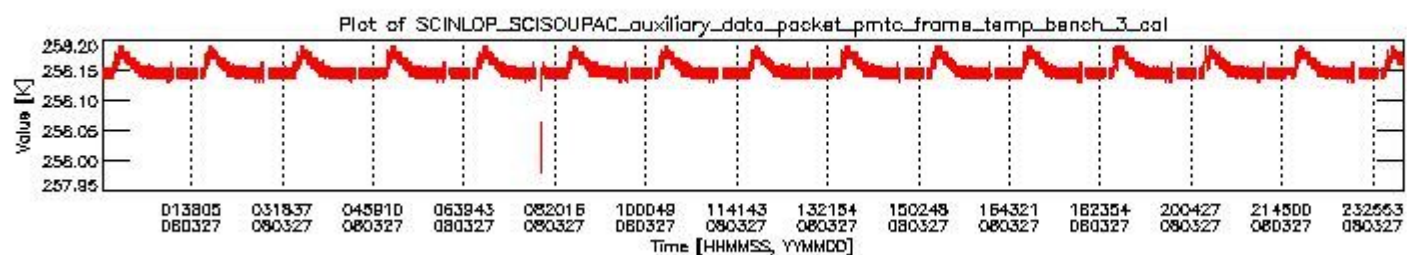
This section shows information about product quality, currently temperatures.



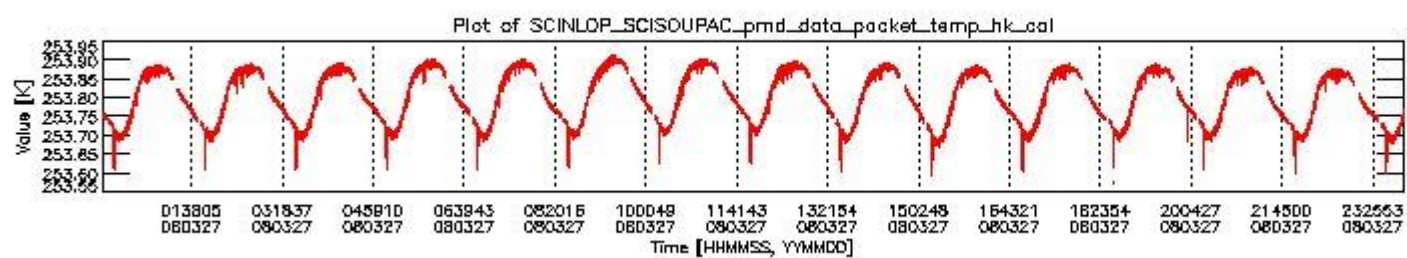
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080327_0.PNG



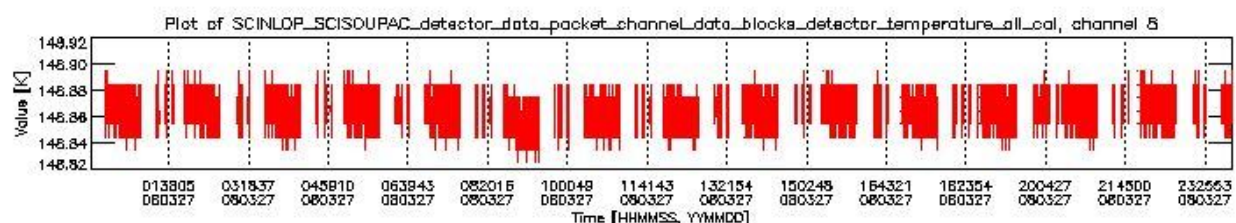
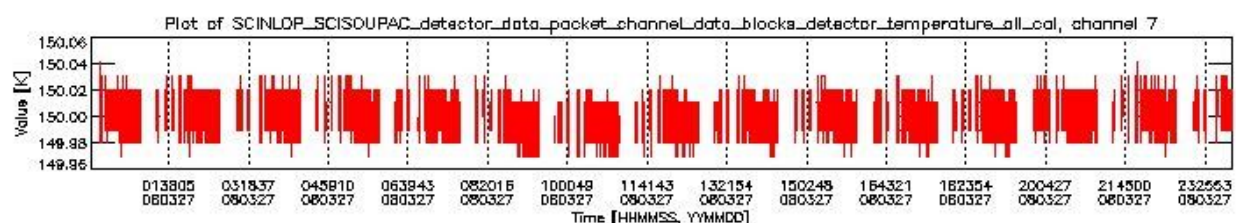
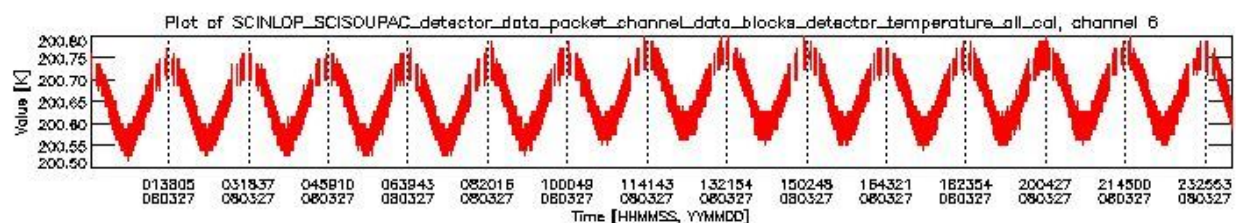
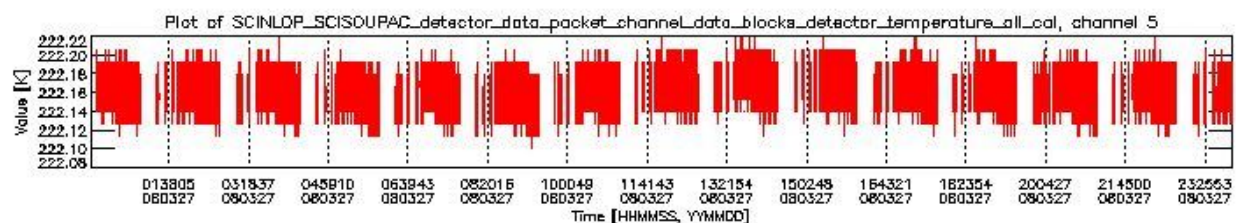
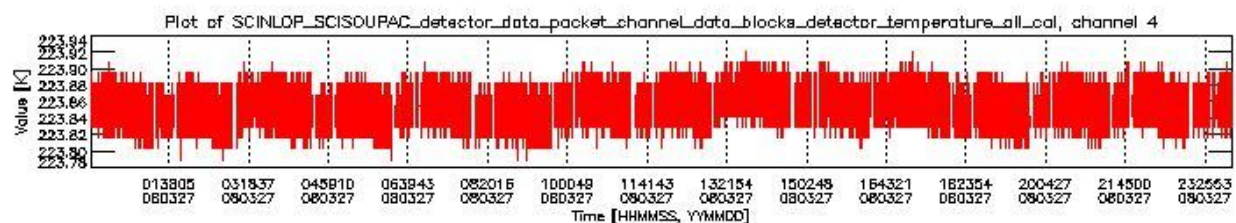
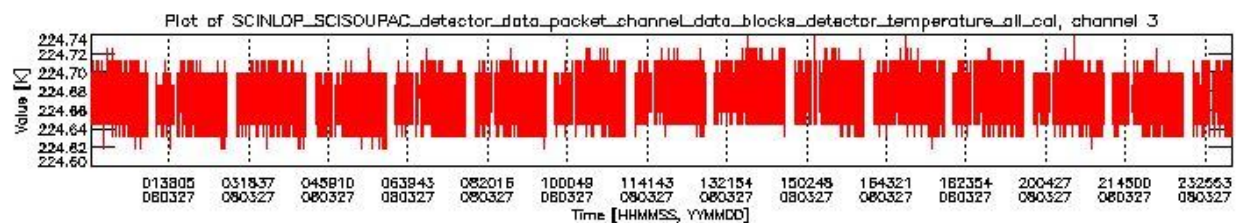
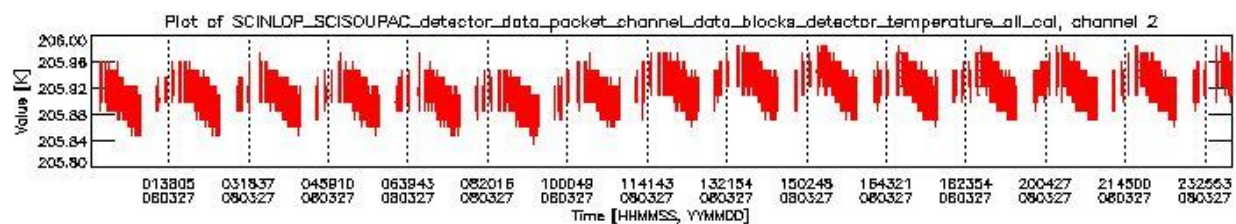
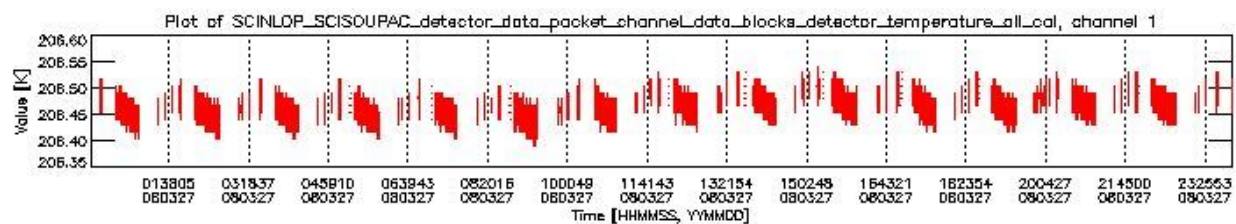
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080327_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080327_3.PNG

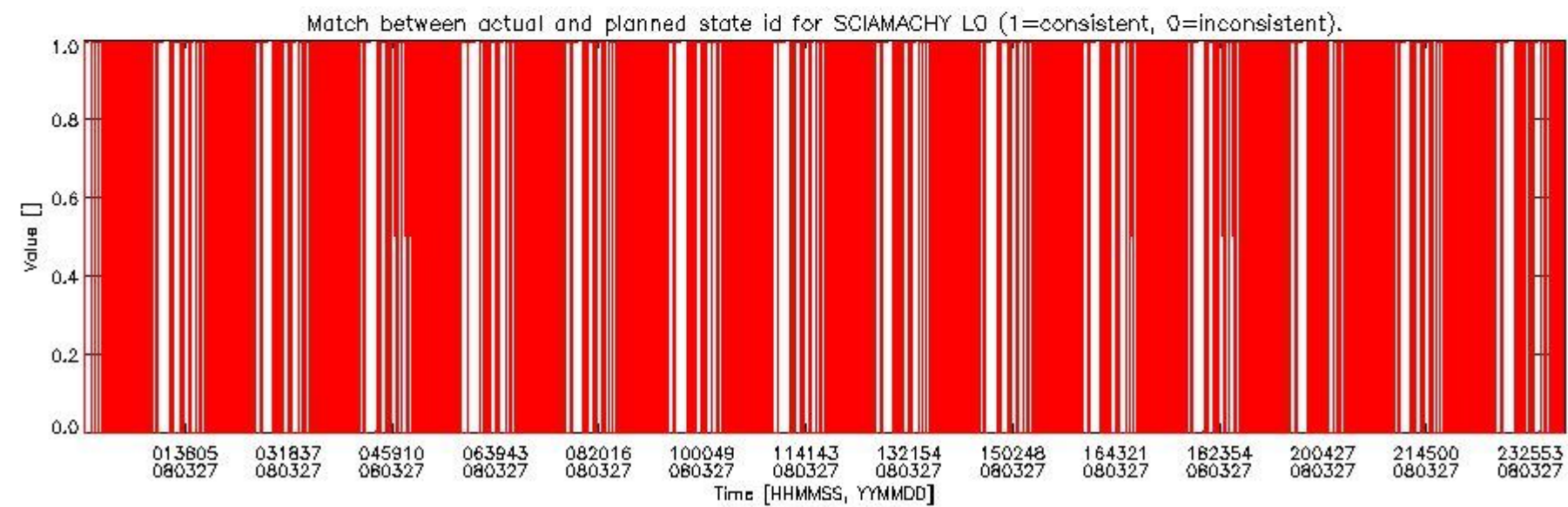
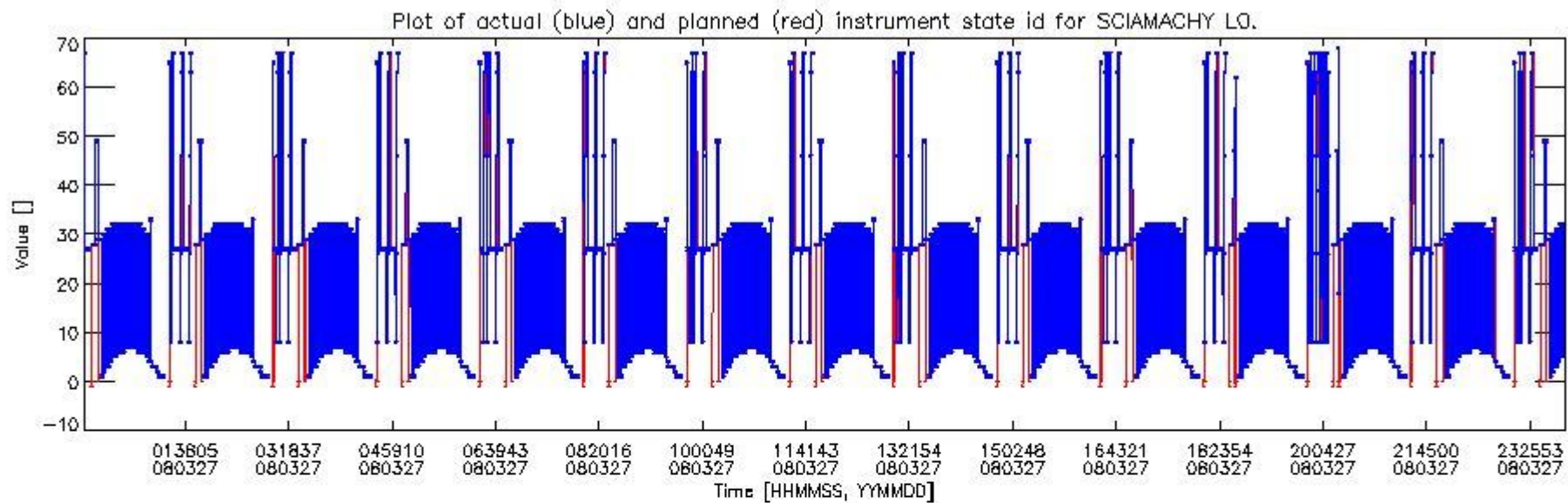


0.3 State monitoring

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: **33403**

#	Actual time	Actual value	Planned time	Planned value
0	27MAR2008 00:00:25.768559	27	27MAR2008 00:00:25.768559	67
1	27MAR2008 00:00:26.768553	27	27MAR2008 00:00:26.768553	67
2	27MAR2008 00:00:27.706026	27	27MAR2008 00:00:27.706026	67
3	27MAR2008 00:00:28.456052	27	27MAR2008 00:00:28.456052	67
4	27MAR2008 00:00:29.393564	27	27MAR2008 00:00:29.393564	67
5	27MAR2008 00:00:30.143550	27	27MAR2008 00:00:30.143550	67
6	27MAR2008 00:00:30.768532	27	27MAR2008 00:00:30.768532	67
7	27MAR2008 00:00:31.081063	27	27MAR2008 00:00:31.081063	67
8	27MAR2008 00:00:31.831048	27	27MAR2008 00:00:31.831048	67
9	27MAR2008 00:00:32.768561	27	27MAR2008 00:00:32.768561	67
10	27MAR2008 00:07:03.698285	28	27MAR2008 00:07:03.698285	0
11	27MAR2008 00:07:04.323267	28	27MAR2008 00:07:04.323267	0
12	27MAR2008 00:07:04.698280	28	27MAR2008 00:07:04.698280	0
13	27MAR2008 00:07:05.073293	28	27MAR2008 00:07:05.073293	0
14	27MAR2008 00:07:05.635792	28	27MAR2008 00:07:05.635792	0
15	27MAR2008 00:07:06.010765	28	27MAR2008 00:07:06.010765	0
16	27MAR2008 00:07:06.385778	28	27MAR2008 00:07:06.385778	0
17	27MAR2008 00:07:06.760791	28	27MAR2008 00:07:06.760791	0
18	27MAR2008 00:07:07.323291	28	27MAR2008 00:07:07.323291	0
19	27MAR2008 00:07:07.698264	28	27MAR2008 00:07:07.698264	0

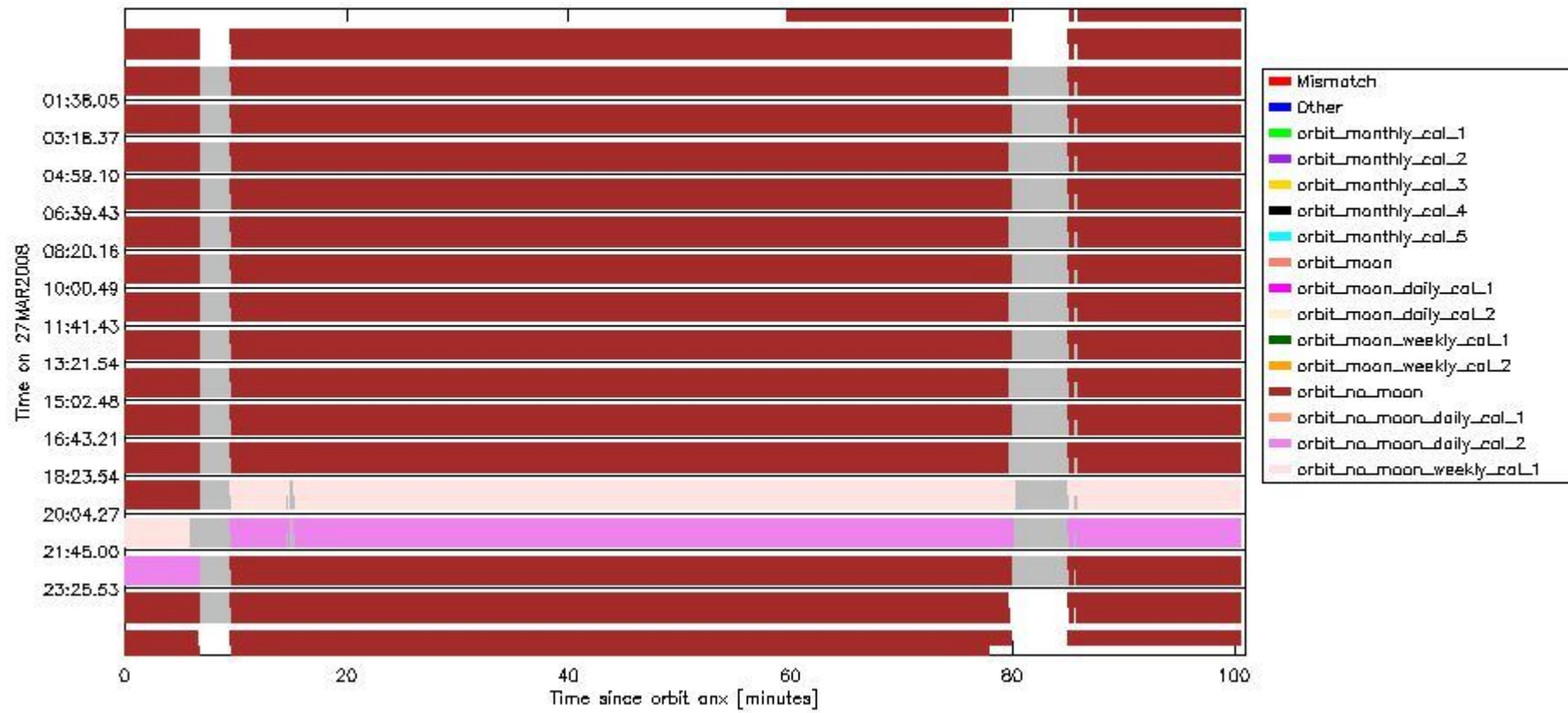


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080327_5.PNG

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 27MAR2008.
 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_20080327_6.PNG

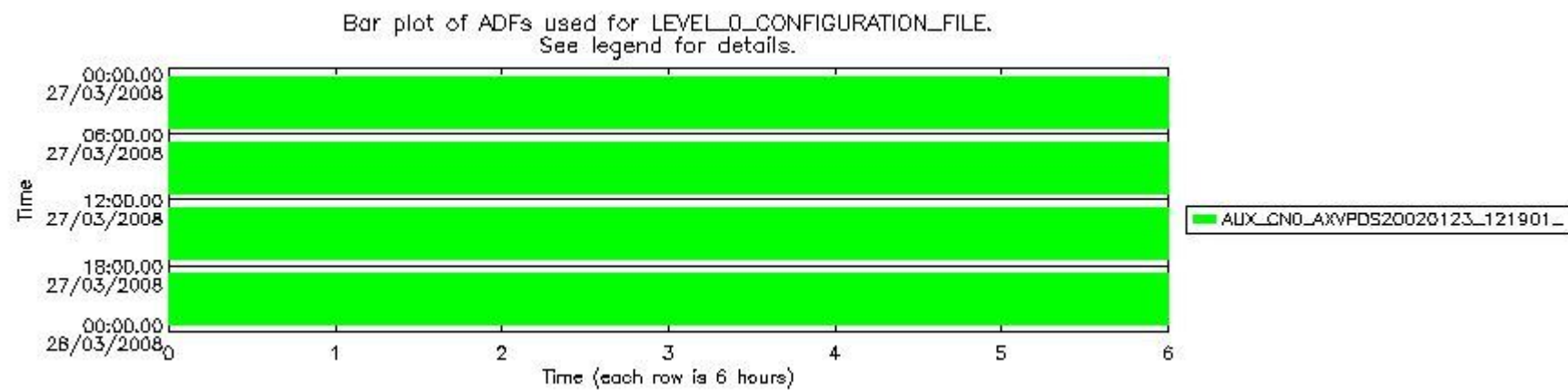
0.4 ADF monitoring

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

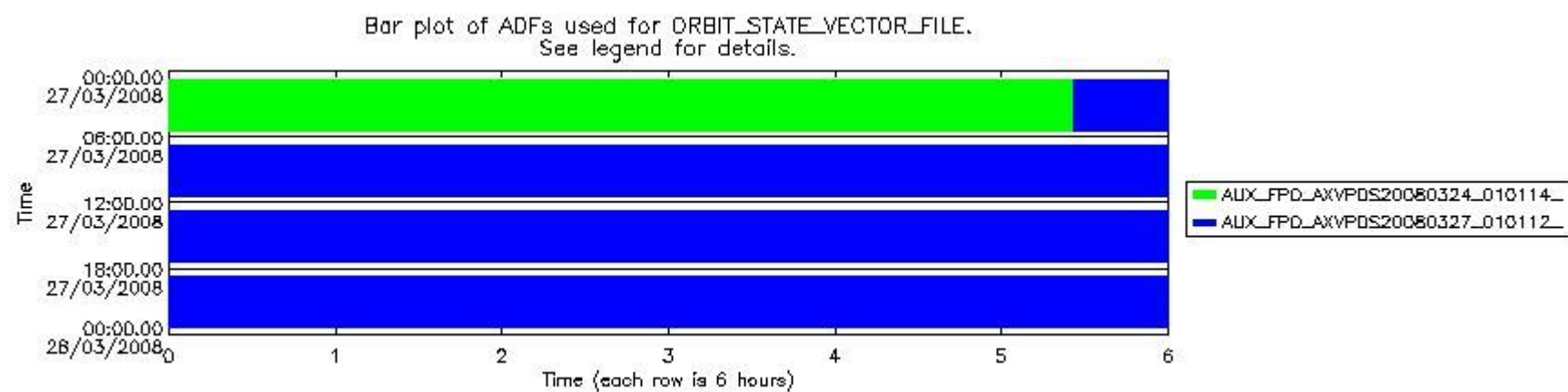
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

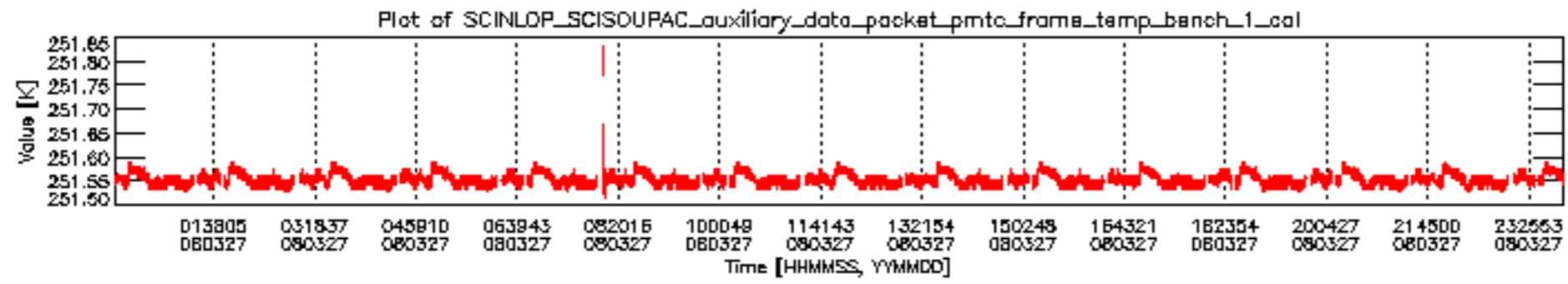
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080324_010114_20080323_184949_20080402_201602
2	AUX_FPO_AXVPDS20080327_010112_20080326_185534_20080405_202147

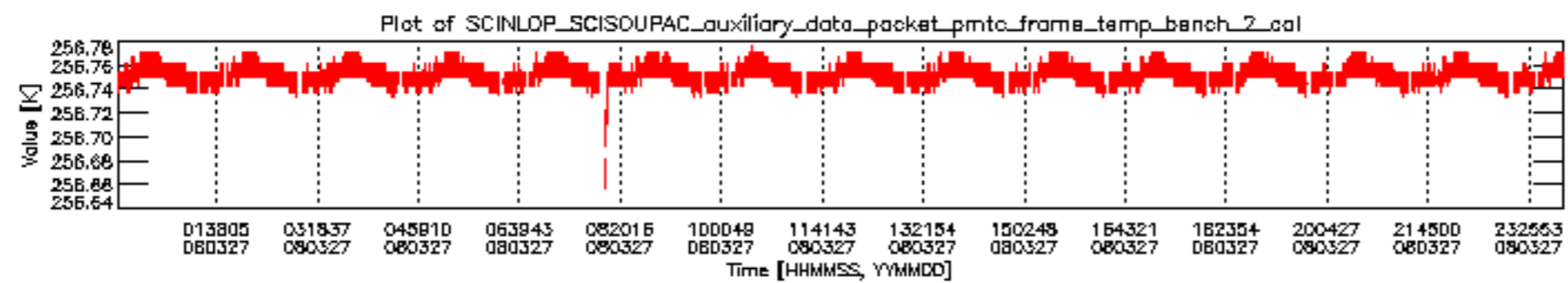


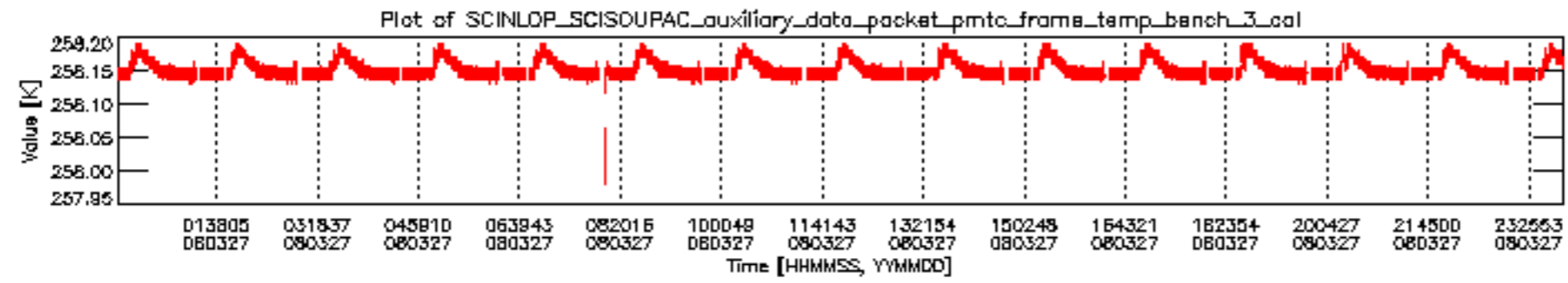
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080327_7.PNG

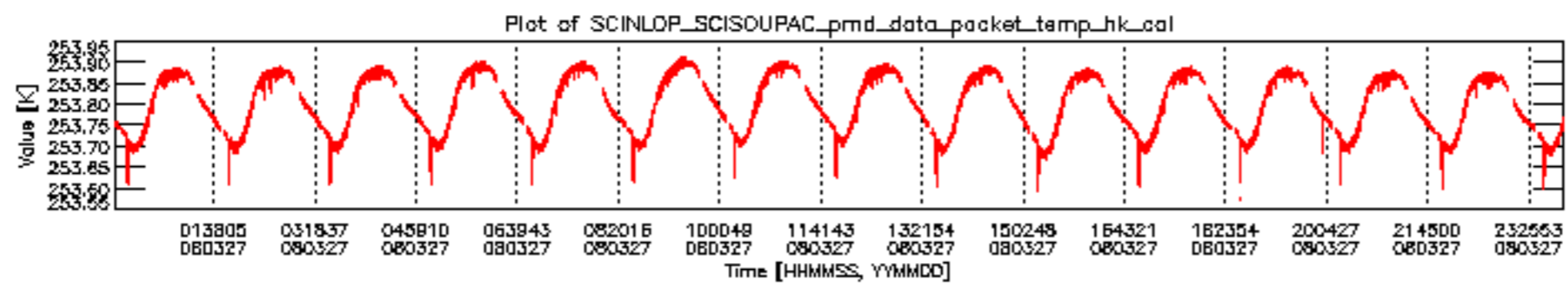


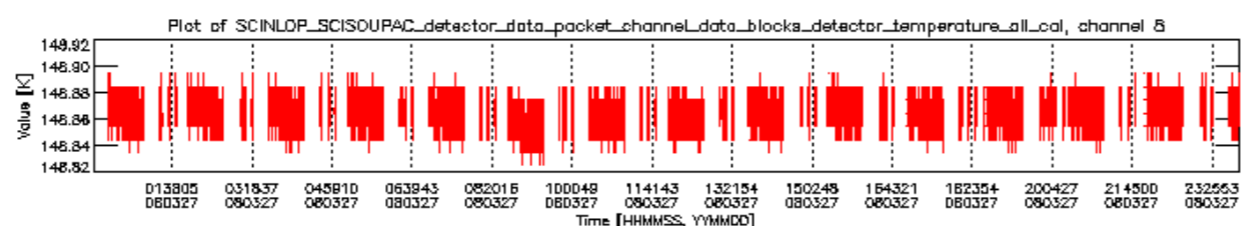
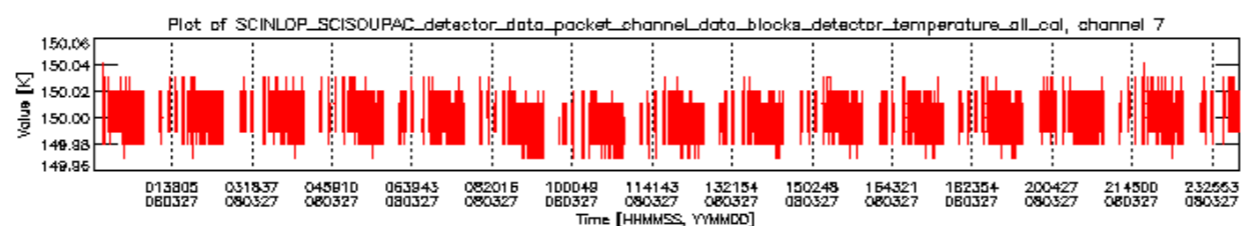
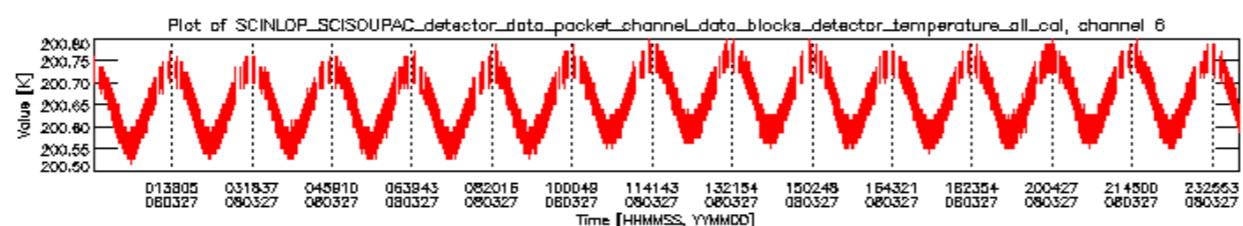
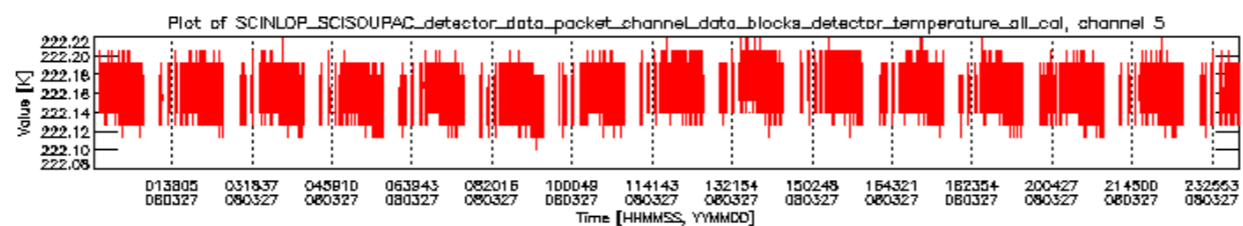
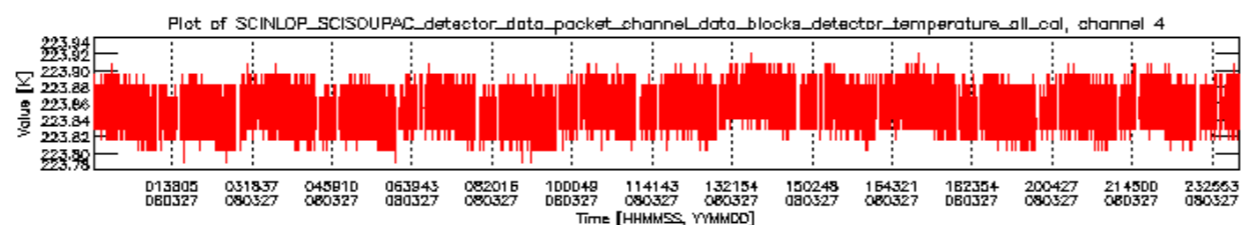
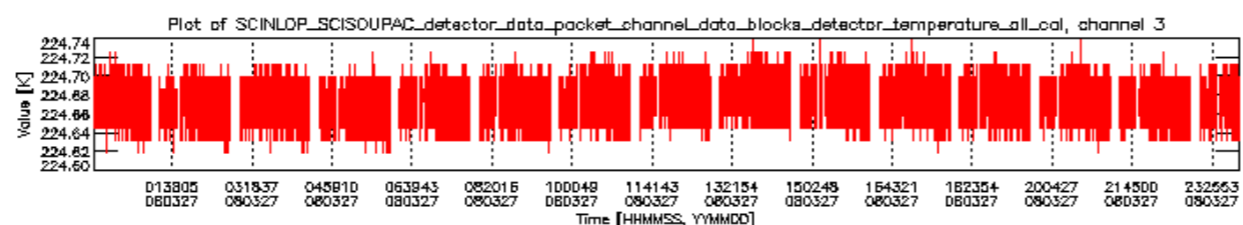
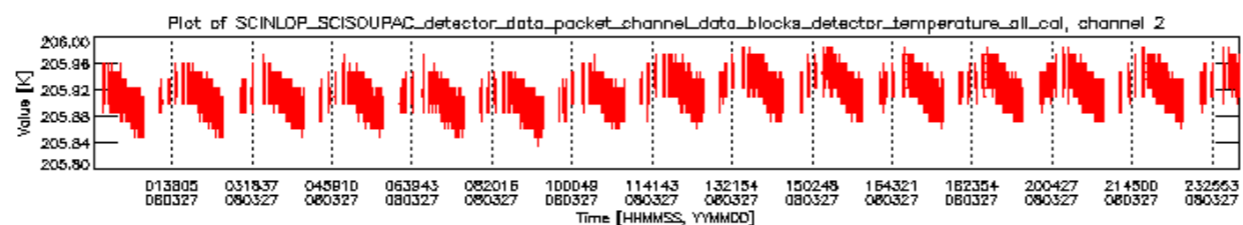
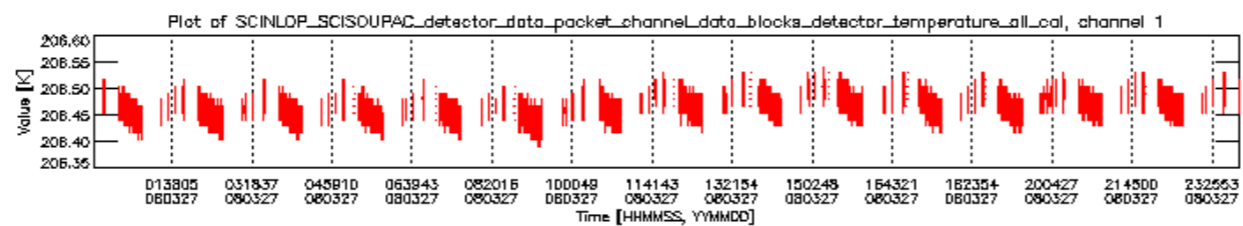
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080327_8.PNG

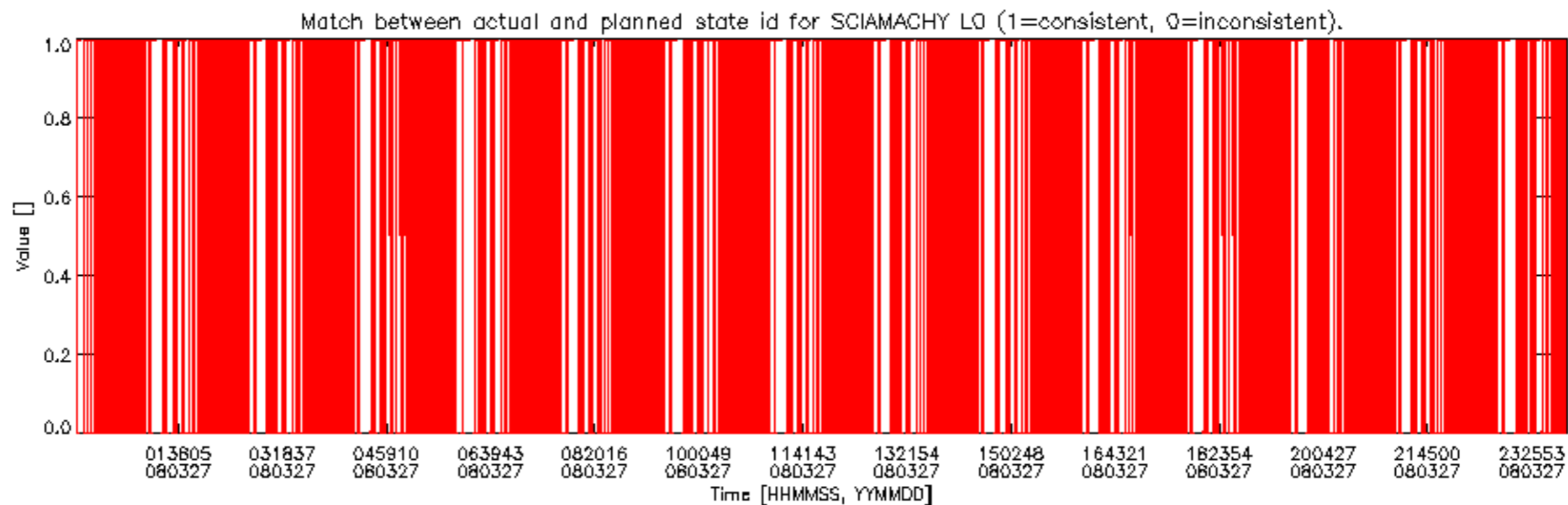
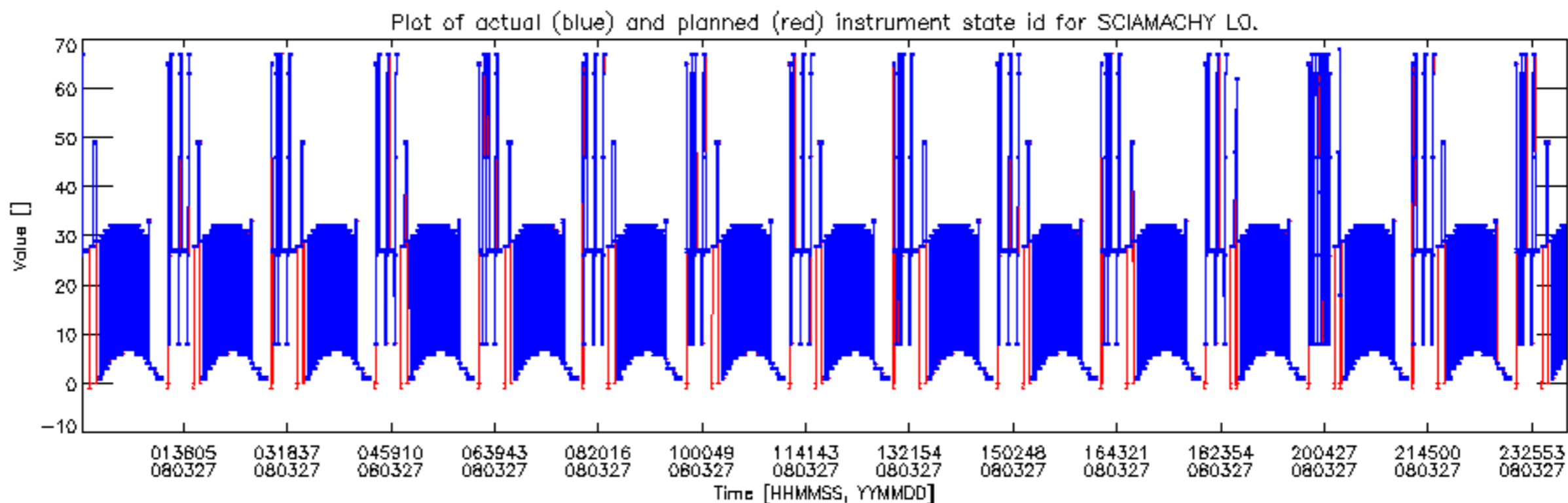












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