

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	10MAY2008 04:54:24
Data source version	KSPT_L0/4303-N
Processing scope for products	06MAY2008 00:00:00 to 07MAY2008 00:00:00
Start time of first product within scope	06MAY2008 00:28:19
Stop time of last product within scope	07MAY2008 01:35:41
Total number of level 0 products	16
Number of level 0 products with errors	0

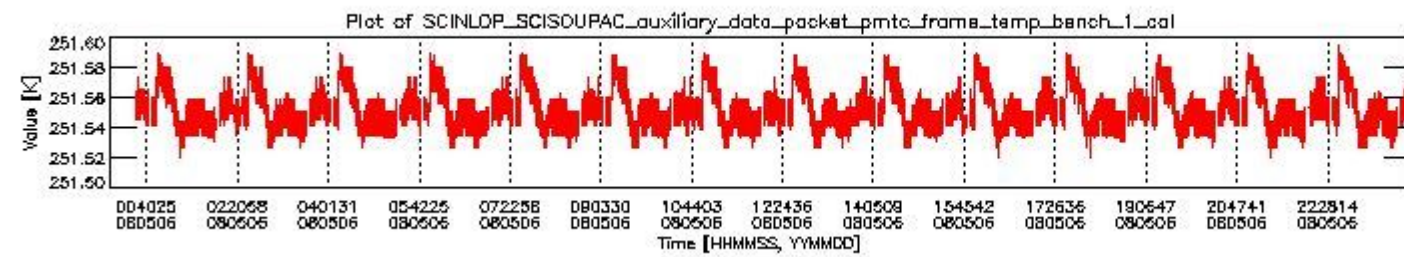
0.1.2 Summary per product

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

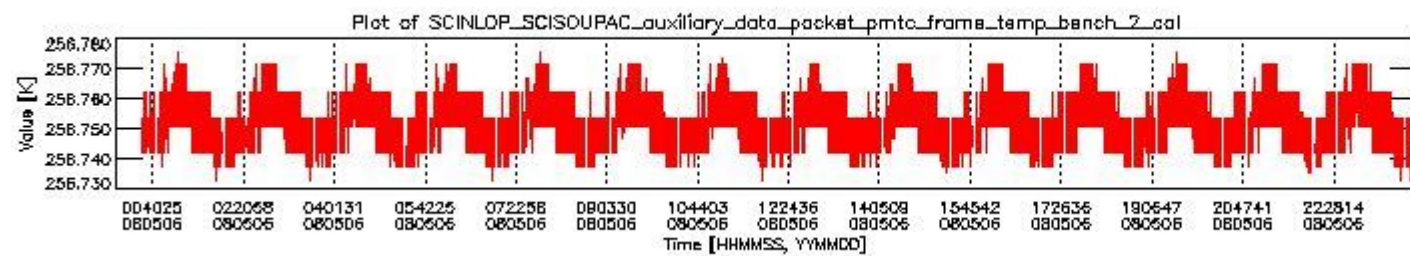
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080506_002819_000057292068_00202_32320_6624.N1	06MAY2008 00:28:19	06MAY2008 02:03:48	0	0	0	0	0
1	SCI_NL__OPNPDE20080506_020314_000046472068_00203_32321_6625.N1	06MAY2008 02:03:14	06MAY2008 03:20:41	0	0	0	0	0
2	SCI_NL__OPNPDE20080506_031933_000061602068_00204_32322_6626.N1	06MAY2008 03:19:33	06MAY2008 05:02:13	0	0	0	0	0
3	SCI_NL__OPNPDE20080506_050104_000060482068_00205_32323_6627.N1	06MAY2008 05:01:04	06MAY2008 06:41:53	0	0	0	0	0
4	SCI_NL__OPNPDK20080506_064044_000041692068_00206_32324_8138.N1	06MAY2008 06:40:44	06MAY2008 07:50:14	0	0	0	0	0
5	SCI_NL__OPNPDK20080506_074905_000062292068_00207_32325_8139.N1	06MAY2008 07:49:05	06MAY2008 09:32:54	0	0	0	0	0
6	SCI_NL__OPNPDK20080506_093158_000060232068_00208_32326_8140.N1	06MAY2008 09:31:58	06MAY2008 11:12:21	0	0	0	0	0
7	SCI_NL__OPNPDK20080506_111125_000059112068_00209_32327_8141.N1	06MAY2008 11:11:25	06MAY2008 12:49:56	0	0	0	0	0
8	SCI_NL__OPNPDK20080506_124956_000059672068_00210_32328_8142.N1	06MAY2008 12:49:56	06MAY2008 14:29:23	0	0	0	0	0
9	SCI_NL__OPNPDK20080506_142827_000059112068_00211_32329_8143.N1	06MAY2008 14:28:27	06MAY2008 16:06:58	0	0	0	0	0
10	SCI_NL__OPNPDK20080506_160454_000058592068_00212_32330_8145.N1	06MAY2008 16:04:54	06MAY2008 17:42:33	0	0	0	0	0
11	SCI_NL__OPNPDK20080506_174041_000061602068_00213_32331_8146.N1	06MAY2008 17:40:41	06MAY2008 19:23:21	0	0	0	0	0
12	SCI_NL__OPNPDK20080506_192213_000059642068_00214_32332_8147.N1	06MAY2008 19:22:13	06MAY2008 21:01:36	0	0	0	0	0
13	SCI_NL__OPNPDE20080506_205944_000045302068_00215_32333_6628.N1	06MAY2008 20:59:44	06MAY2008 22:15:15	0	0	0	0	0
14	SCI_NL__OPNPDE20080506_221431_000061602068_00215_32333_6629.N1	06MAY2008 22:14:31	06MAY2008 23:57:10	0	0	0	0	0
15	SCI_NL__OPNPDE20080506_235710_000059112068_00216_32334_6630.N1	06MAY2008 23:57:10	07MAY2008 01:35:41	0	0	0	0	0

0.2 Product Quality Indicators

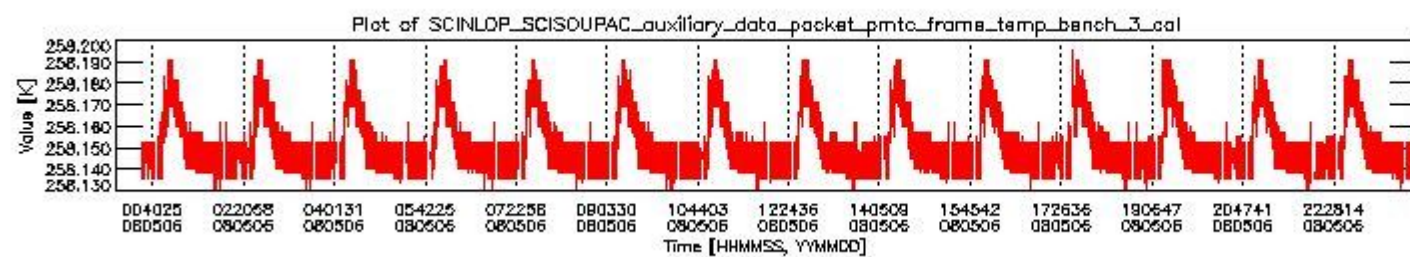
This section shows information about product quality, currently temperatures.



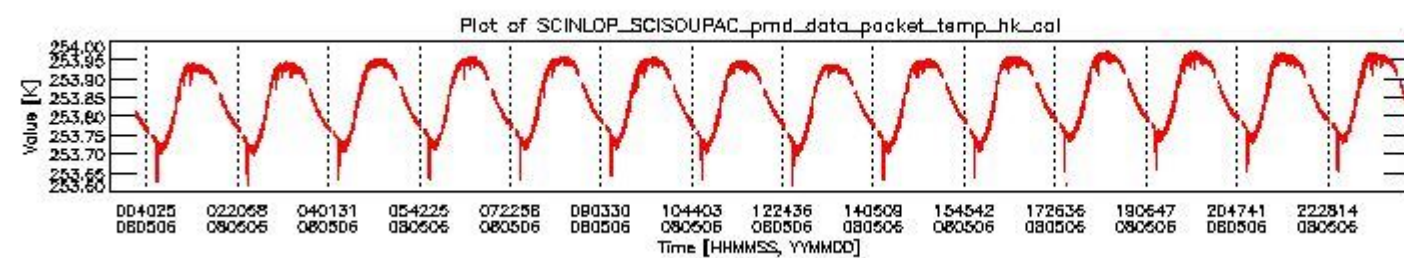
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080506_0.PNG



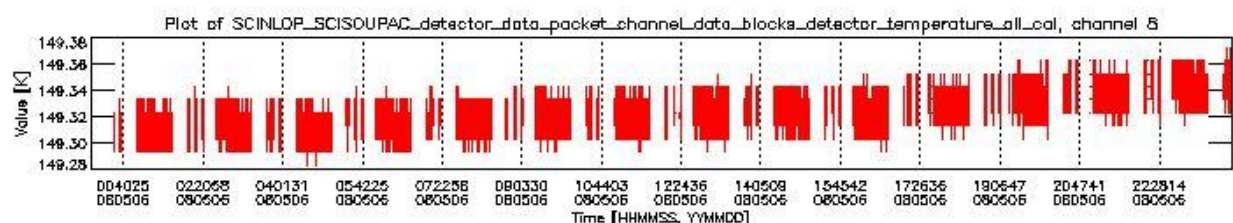
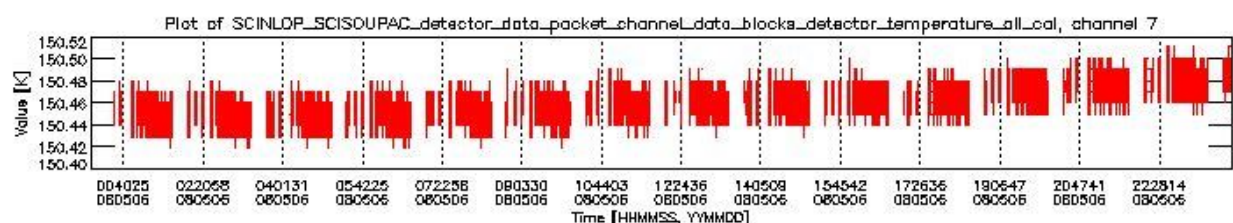
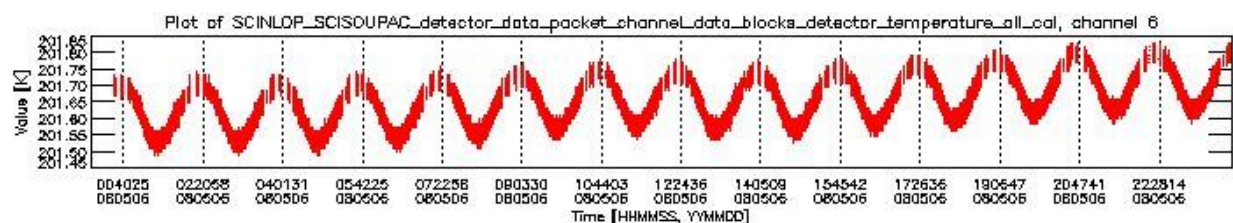
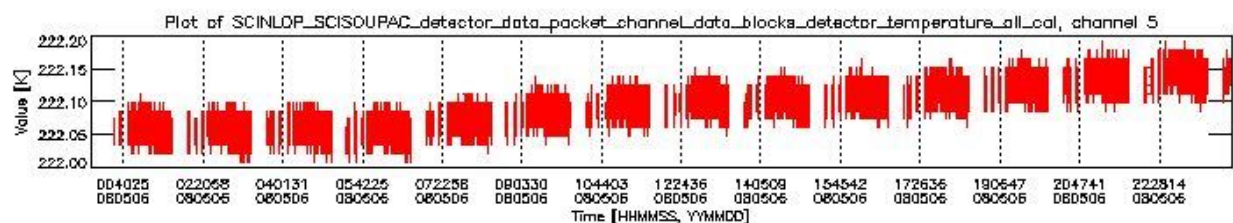
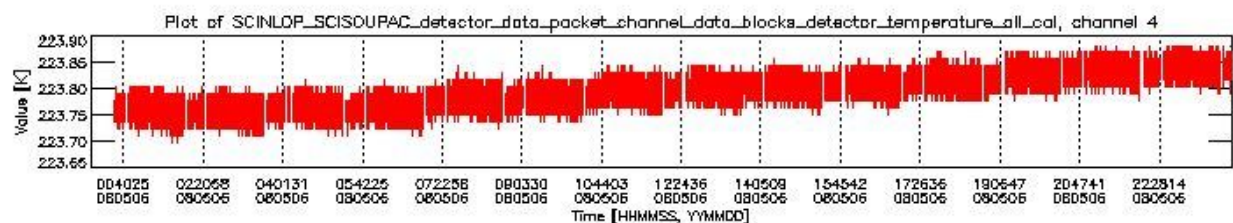
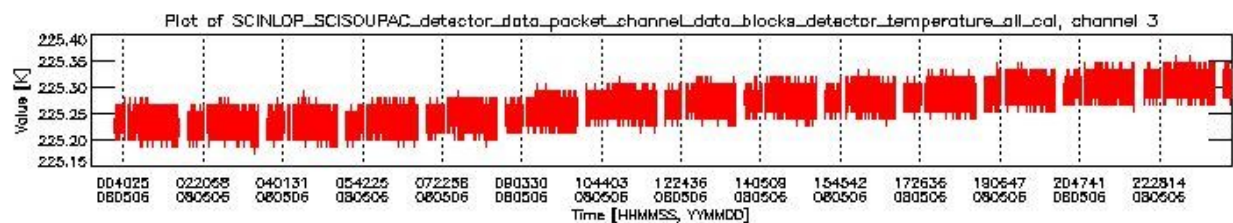
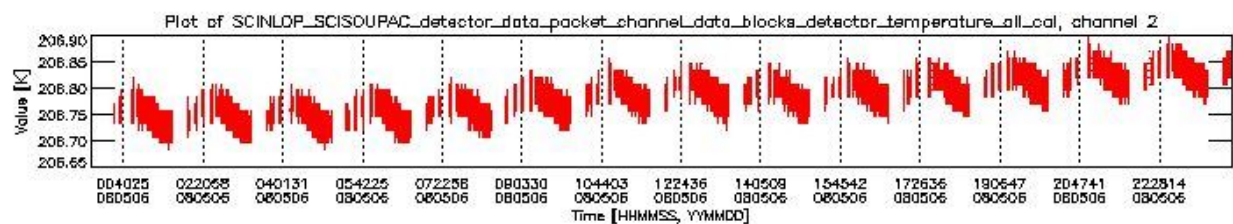
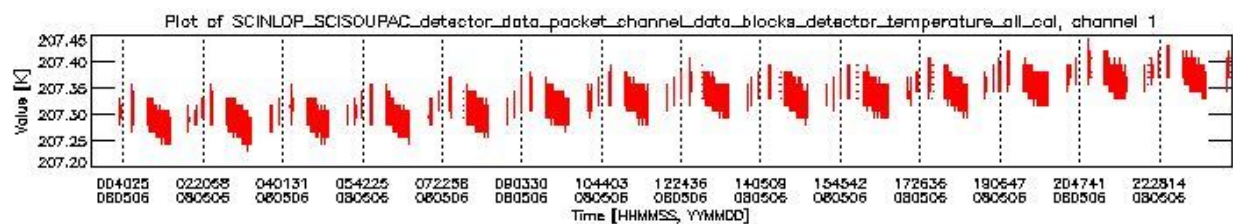
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080506_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080506_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080506_3.PNG

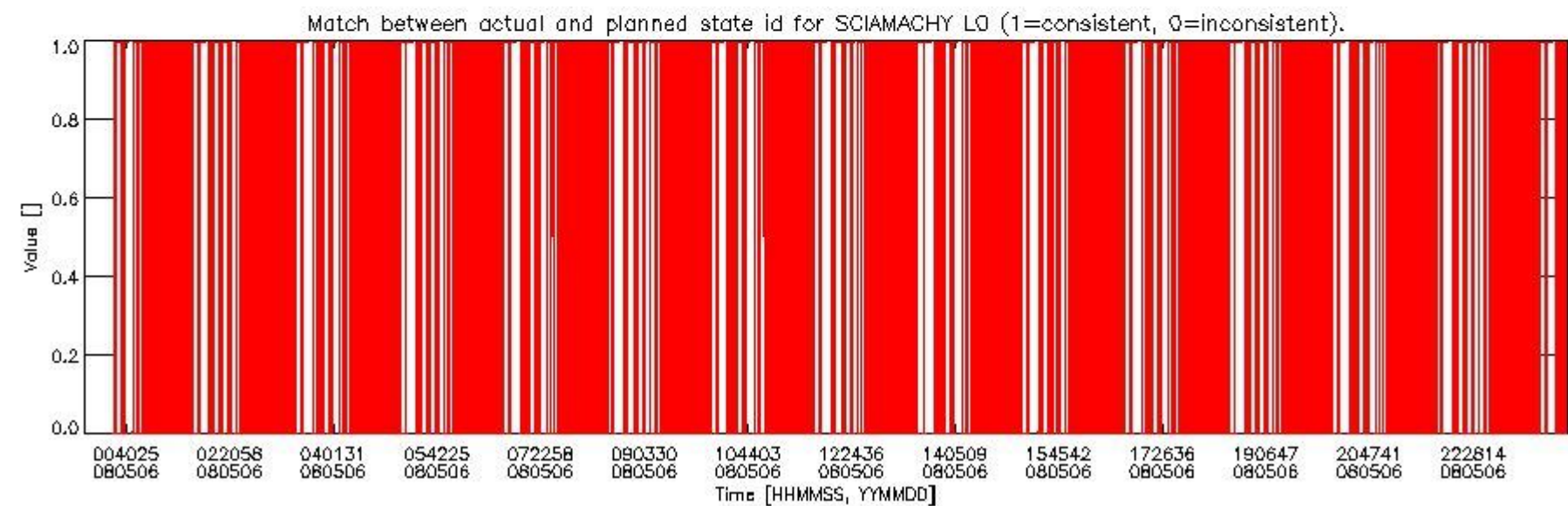
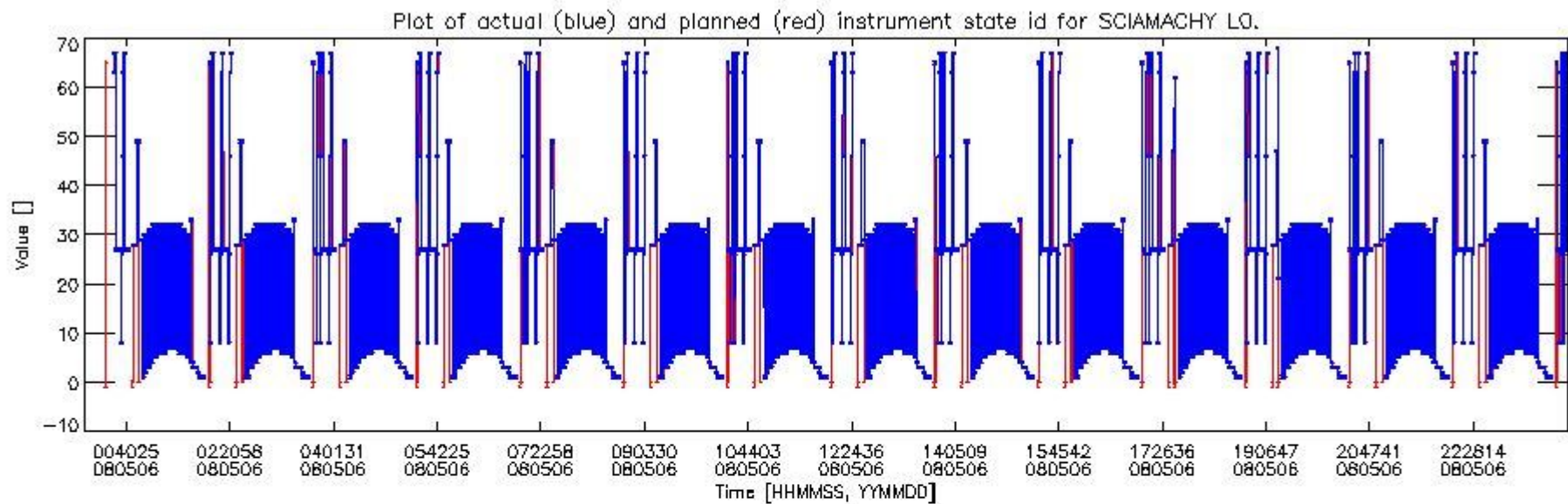


0.3 State monitoring

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: **38708**

#	Actual time	Actual value	Planned time	Planned value
0	06MAY2008 00:28:52.801464	67	06MAY2008 00:28:52.801464	63
1	06MAY2008 00:28:53.051473	67	06MAY2008 00:28:53.051473	63
2	06MAY2008 00:28:53.176477	67	06MAY2008 00:28:53.176477	63
3	06MAY2008 00:28:53.301482	67	06MAY2008 00:28:53.301482	63
4	06MAY2008 00:28:53.426486	67	06MAY2008 00:28:53.426486	63
5	06MAY2008 00:28:53.551490	67	06MAY2008 00:28:53.551490	63
6	06MAY2008 00:28:53.676495	67	06MAY2008 00:28:53.676495	63
7	06MAY2008 00:28:53.801499	67	06MAY2008 00:28:53.801499	63
8	06MAY2008 00:28:53.926503	67	06MAY2008 00:28:53.926503	63
9	06MAY2008 00:28:54.051467	67	06MAY2008 00:28:54.051467	63
10	06MAY2008 00:28:54.176472	67	06MAY2008 00:28:54.176472	63
11	06MAY2008 00:28:54.301476	67	06MAY2008 00:28:54.301476	63
12	06MAY2008 00:28:54.426481	67	06MAY2008 00:28:54.426481	63
13	06MAY2008 00:28:54.551485	67	06MAY2008 00:28:54.551485	63
14	06MAY2008 00:28:54.676489	67	06MAY2008 00:28:54.676489	63
15	06MAY2008 00:28:54.801494	67	06MAY2008 00:28:54.801494	63
16	06MAY2008 00:28:54.926498	67	06MAY2008 00:28:54.926498	63
17	06MAY2008 00:28:55.051502	67	06MAY2008 00:28:55.051502	63
18	06MAY2008 00:28:55.176466	67	06MAY2008 00:28:55.176466	63
19	06MAY2008 00:28:55.301471	67	06MAY2008 00:28:55.301471	63

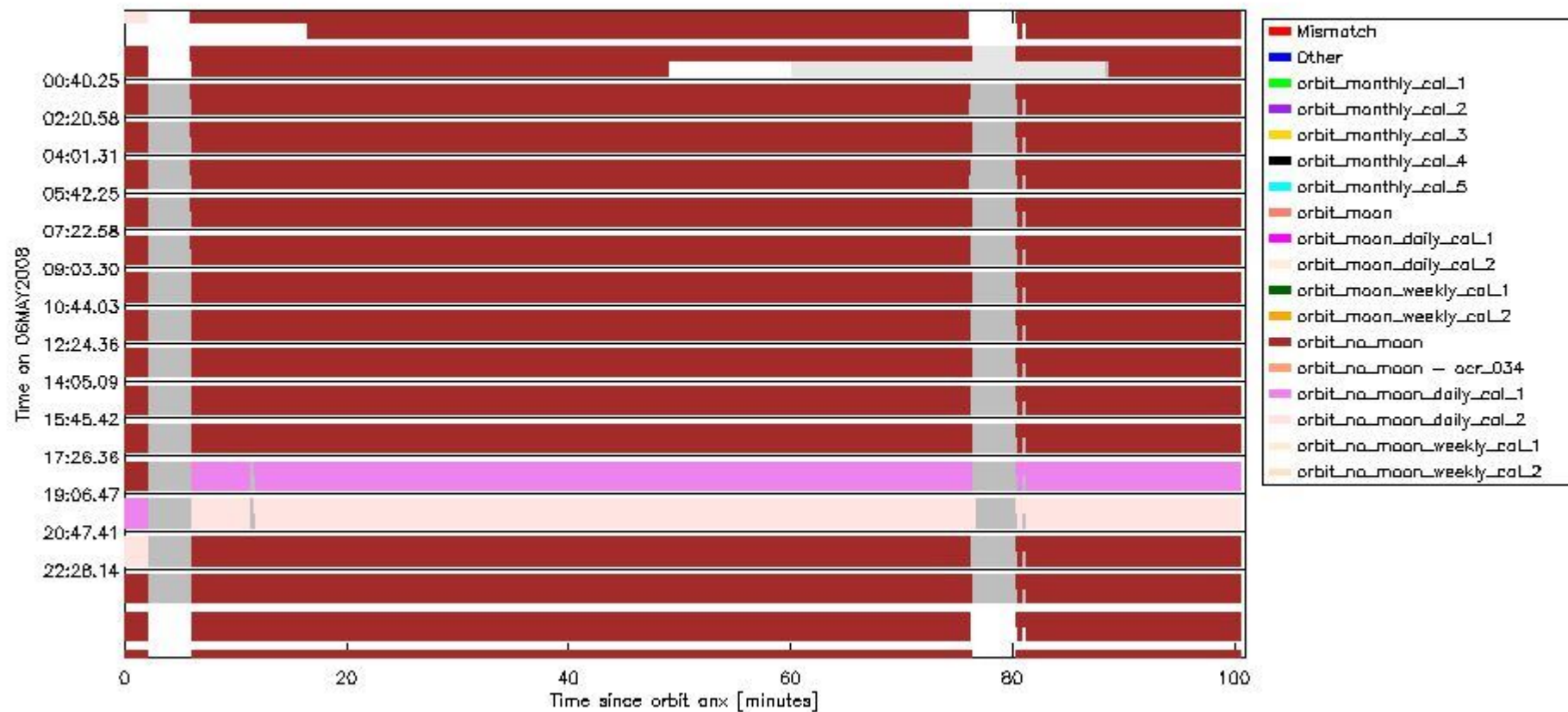


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080506_5.PNG

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 06MAY2008.
 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_20080506_6.PNG

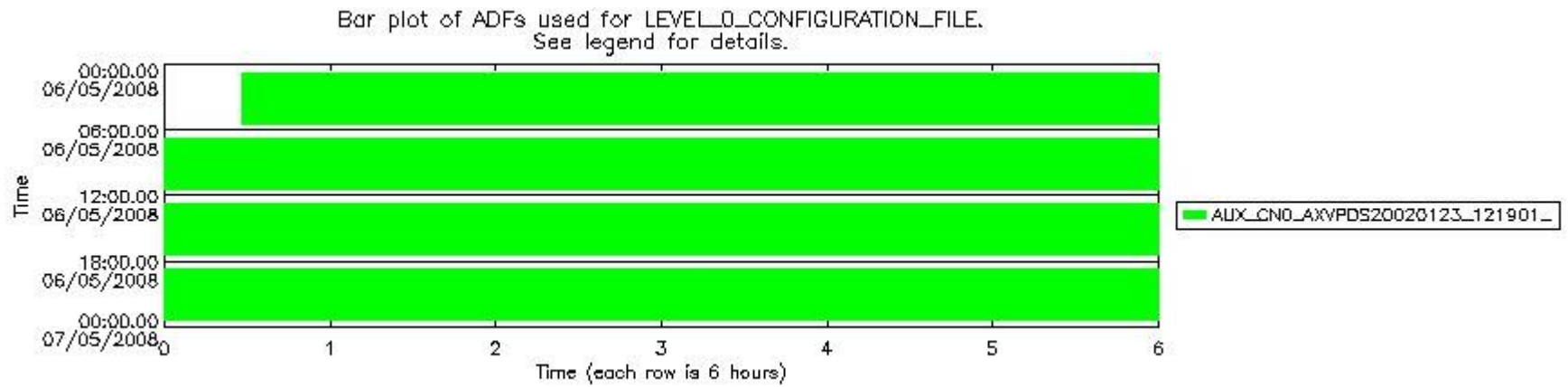
0.4 ADF monitoring

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

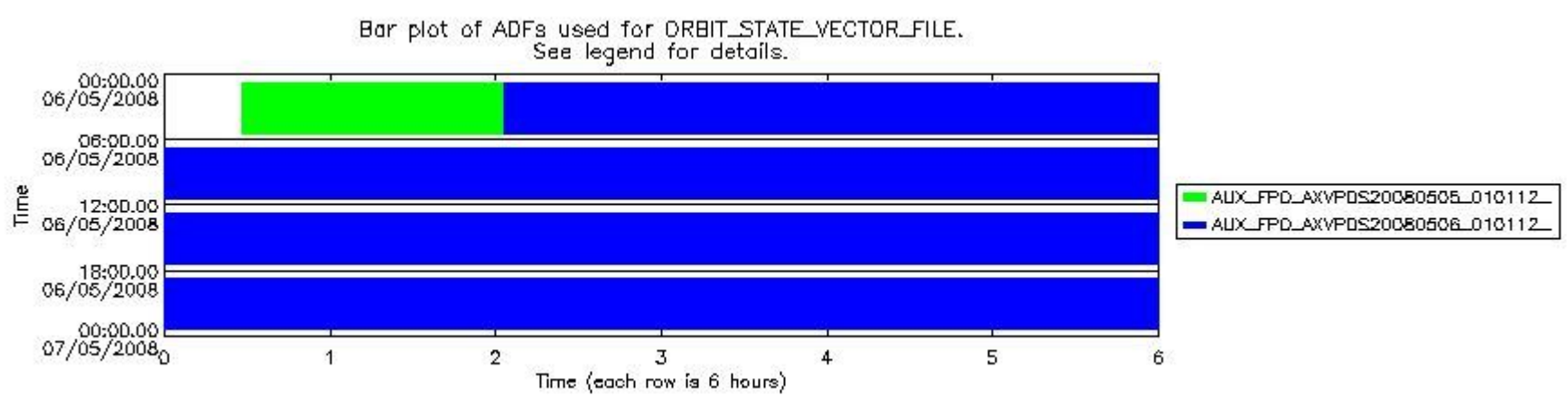
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

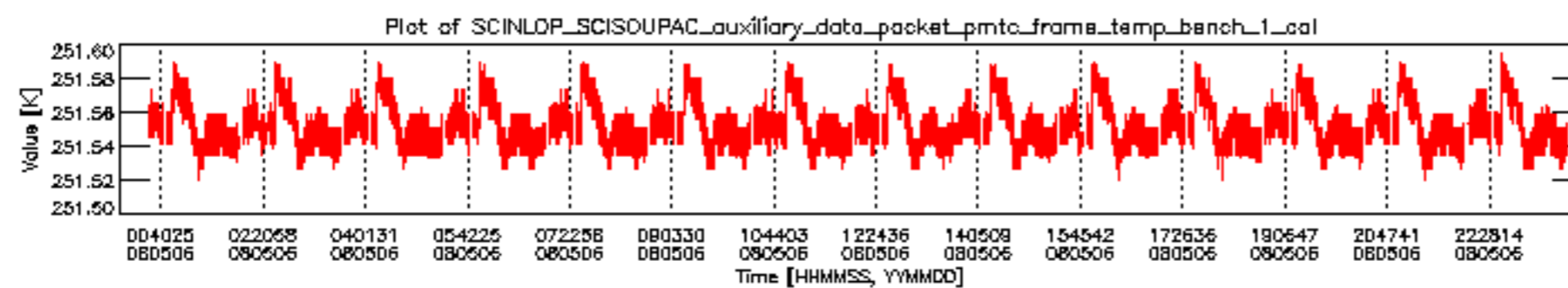
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080505_010112_20080502_193254_20080512_205908
2	AUX_FPO_AXVPDS20080506_010112_20080505_193839_20080515_210453

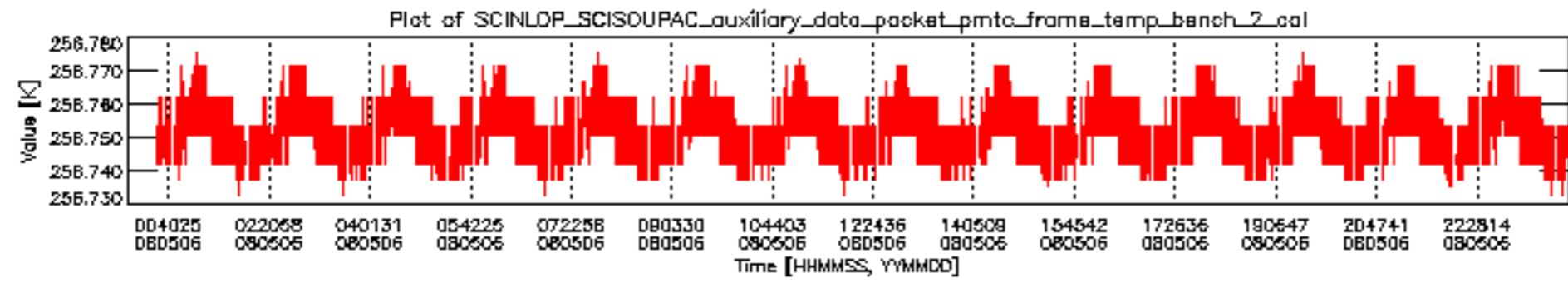


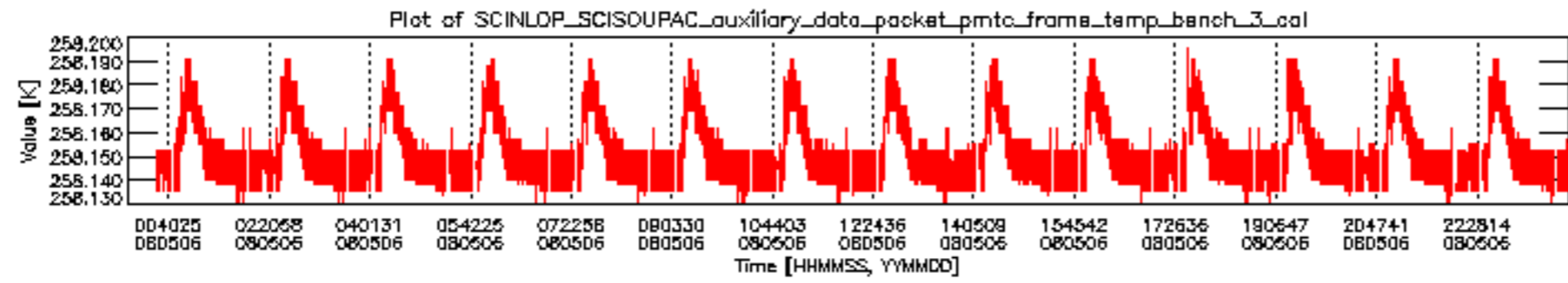
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080506_7.PNG

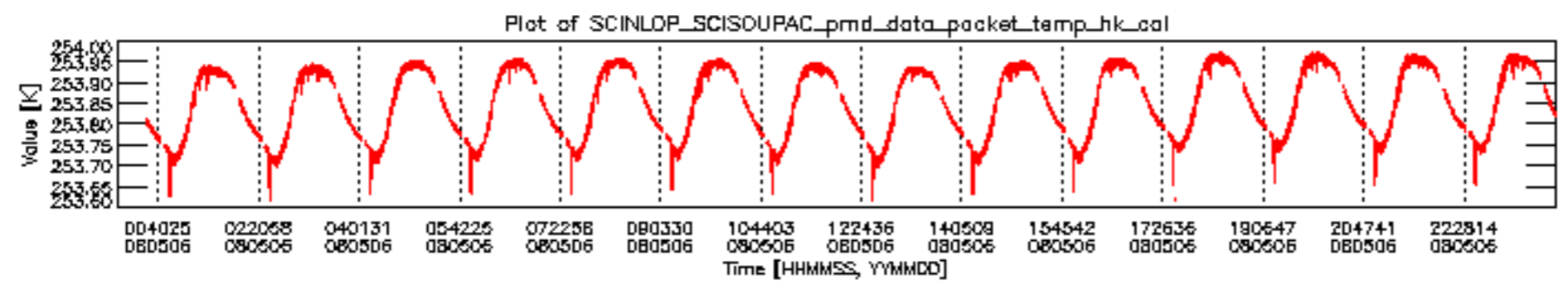


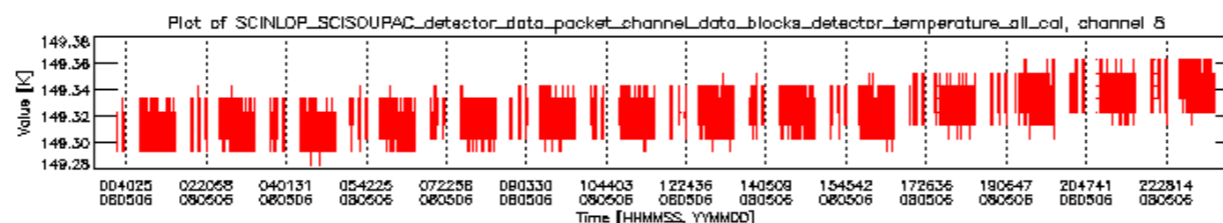
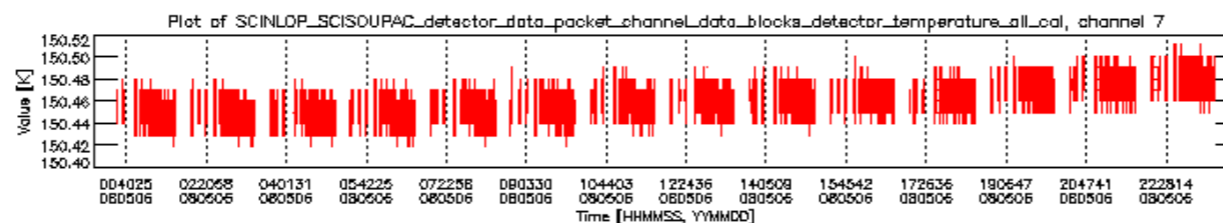
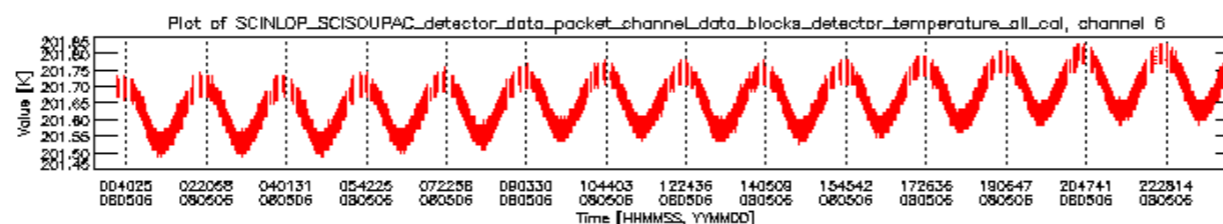
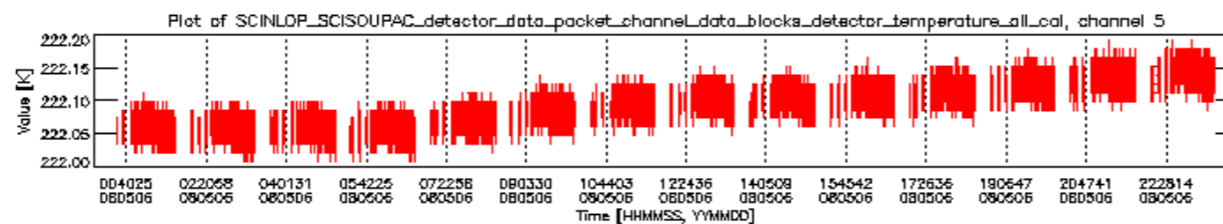
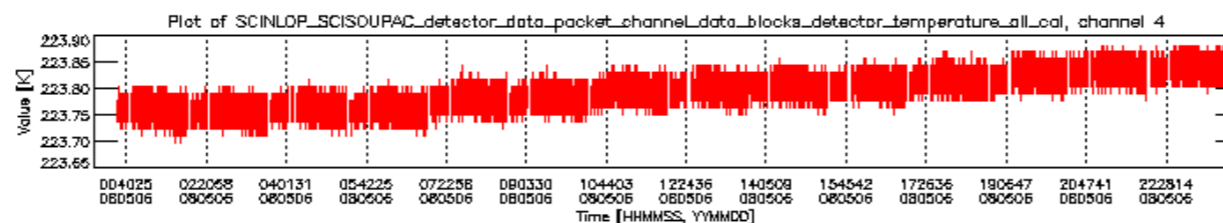
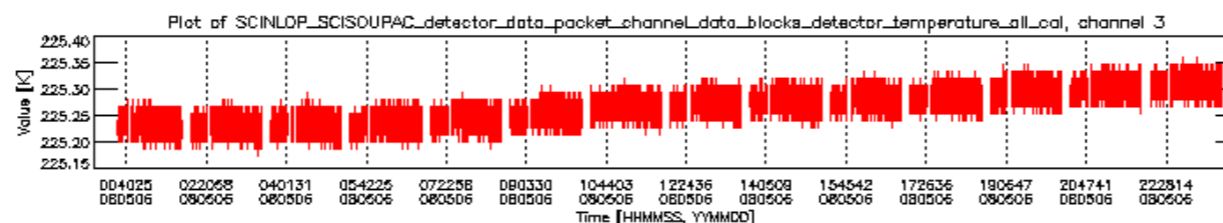
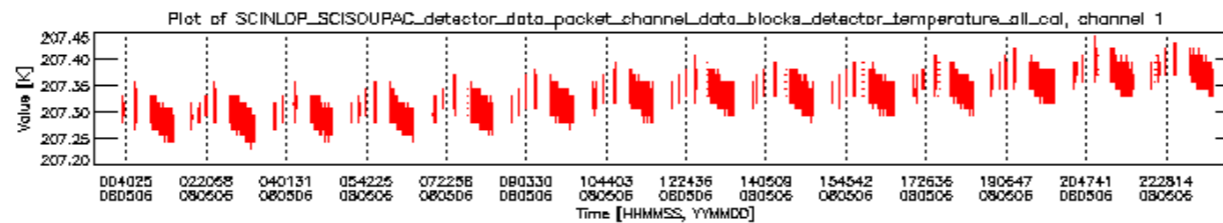
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080506_8.PNG

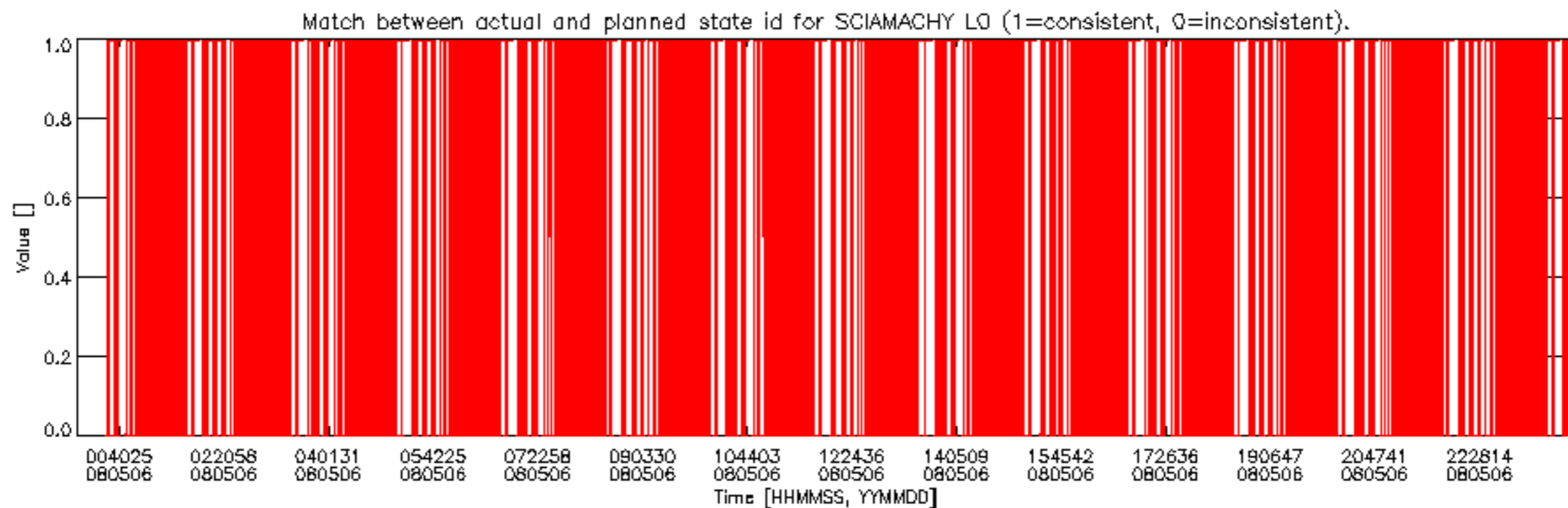
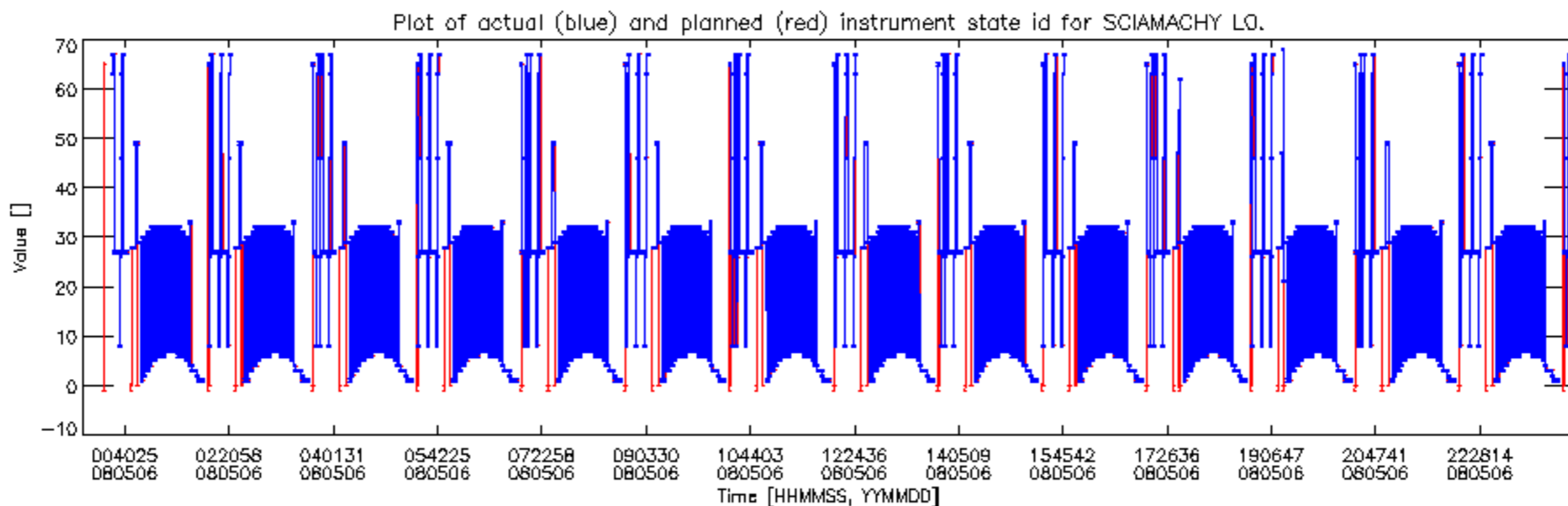












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