

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	21MAY2008 05:10:32
Data source version	KSPT_L0/4303-N
Processing scope for products	17MAY2008 00:00:00 to 18MAY2008 00:00:00
Start time of first product within scope	16MAY2008 23:41:25
Stop time of last product within scope	18MAY2008 00:50:55
Total number of level 0 products	16
Number of level 0 products with errors	0

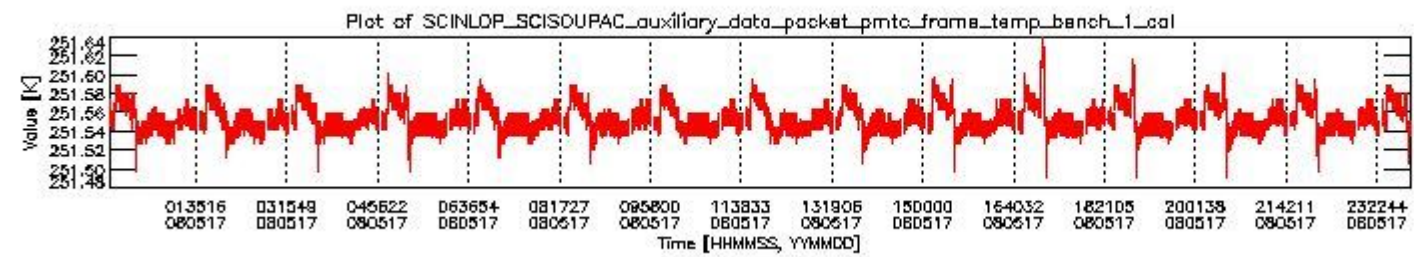
0.1.2 Summary per product

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

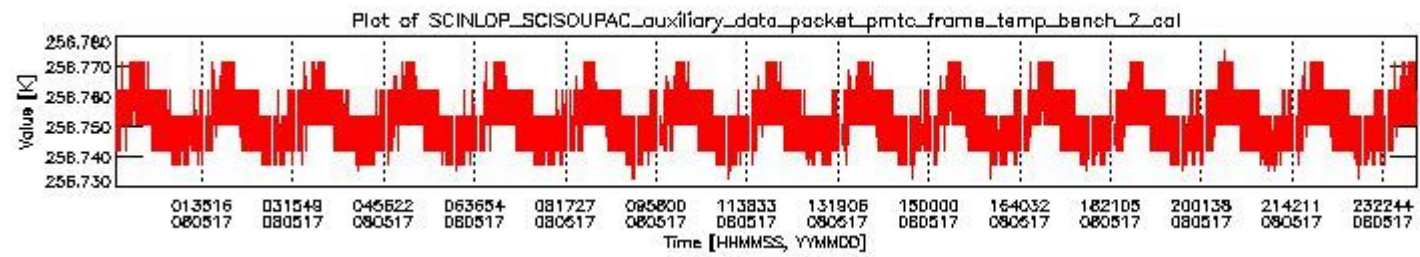
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080516_234125_000060382068_00359_32477_6698.N1	16MAY2008 23:41:25	17MAY2008 01:22:03	0	0	0	0	0
1	SCI_NL__OPNPDE20080517_012116_000046972068_00360_32478_6699.N1	17MAY2008 01:21:16	17MAY2008 02:39:33	0	0	0	0	0
2	SCI_NL__OPNPDE20080517_023933_000057582068_00361_32479_6700.N1	17MAY2008 02:39:33	17MAY2008 04:15:31	0	0	0	0	0
3	SCI_NL__OPNPDE20080517_041531_000060922068_00362_32480_6701.N1	17MAY2008 04:15:31	17MAY2008 05:57:02	0	0	0	0	0
4	SCI_NL__OPNPDK20080517_055702_000041132068_00363_32481_8235.N1	17MAY2008 05:57:02	17MAY2008 07:05:36	0	0	0	0	0
5	SCI_NL__OPNPDK20080517_070427_000061602068_00364_32482_8236.N1	17MAY2008 07:04:27	17MAY2008 08:47:07	0	0	0	0	0
6	SCI_NL__OPNPDK20080517_084707_000059802068_00365_32483_8237.N1	17MAY2008 08:47:07	17MAY2008 10:26:47	0	0	0	0	0
7	SCI_NL__OPNPDK20080517_102647_000059672068_00366_32484_8238.N1	17MAY2008 10:26:47	17MAY2008 12:06:14	0	0	0	0	0
8	SCI_NL__OPNPDK20080517_120518_000060362068_00367_32485_8239.N1	17MAY2008 12:05:18	17MAY2008 13:45:54	0	0	0	0	0
9	SCI_NL__OPNPDK20080517_134445_000058552068_00368_32486_8240.N1	17MAY2008 13:44:45	17MAY2008 15:22:21	0	0	0	0	0
10	SCI_NL__OPNPDK20080517_152112_000059802068_00369_32487_8241.N1	17MAY2008 15:21:12	17MAY2008 17:00:52	0	0	0	0	0
11	SCI_NL__OPNPDK20080517_165943_000058022068_00370_32488_8242.N1	17MAY2008 16:59:43	17MAY2008 18:36:26	0	0	0	0	0
12	SCI_NL__OPNPDK20080517_183530_000060362068_00371_32489_8243.N1	17MAY2008 18:35:30	17MAY2008 20:16:06	0	0	0	0	0
13	SCI_NL__OPNPDE20080517_201510_000044752068_00372_32490_6702.N1	17MAY2008 20:15:10	17MAY2008 21:29:44	0	0	0	0	0
14	SCI_NL__OPNPDE20080517_212911_000060772068_00372_32490_6703.N1	17MAY2008 21:29:11	17MAY2008 23:10:28	0	0	0	0	0
15	SCI_NL__OPNPDE20080517_230944_000060722068_00373_32491_6704.N1	17MAY2008 23:09:44	18MAY2008 00:50:55	0	0	0	0	0

0.2 Product Quality Indicators

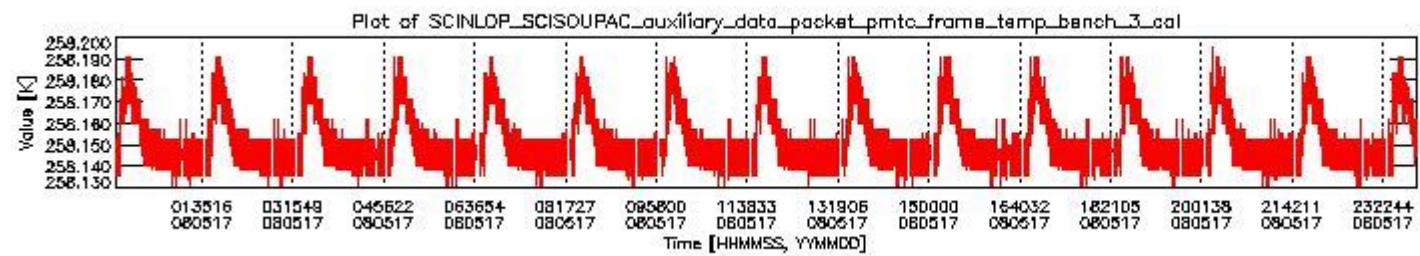
This section shows information about product quality, currently temperatures.



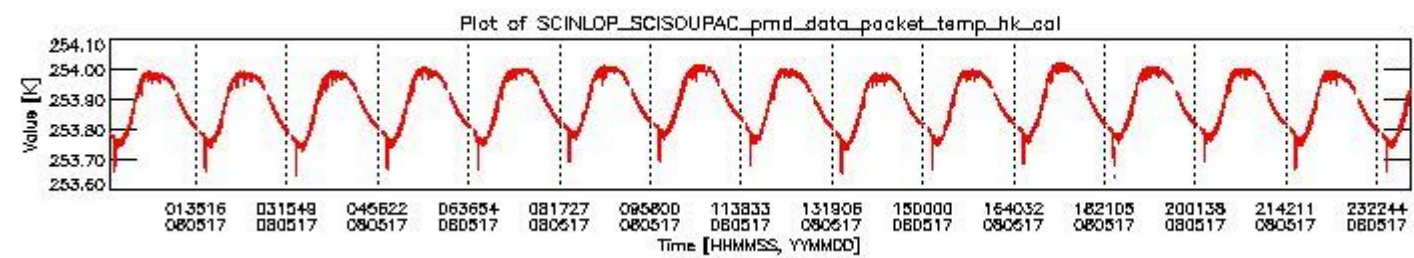
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080517_0.PNG



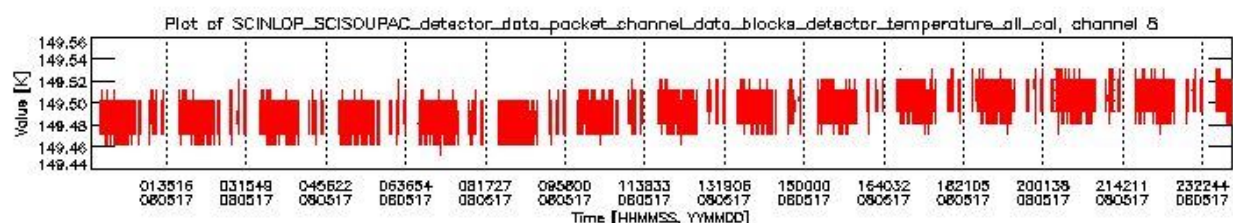
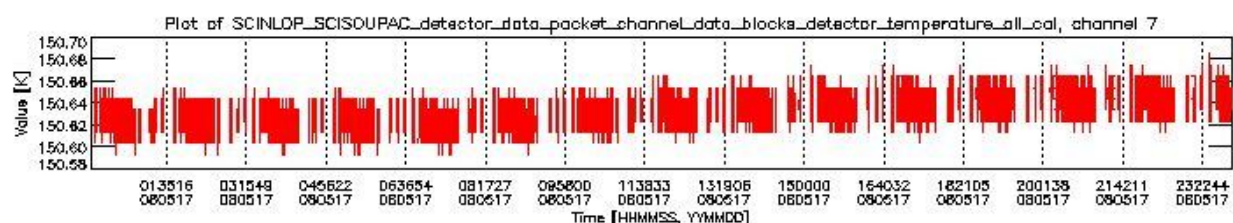
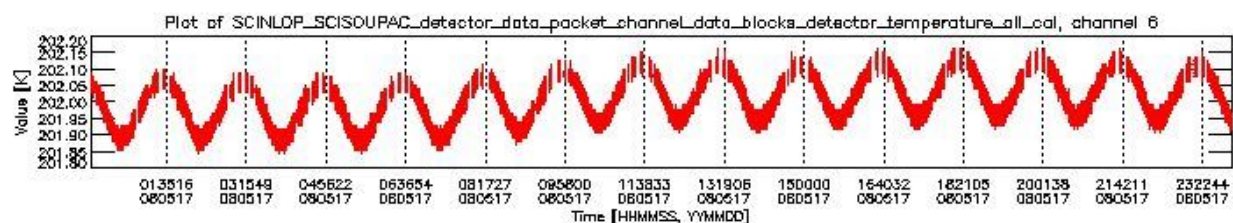
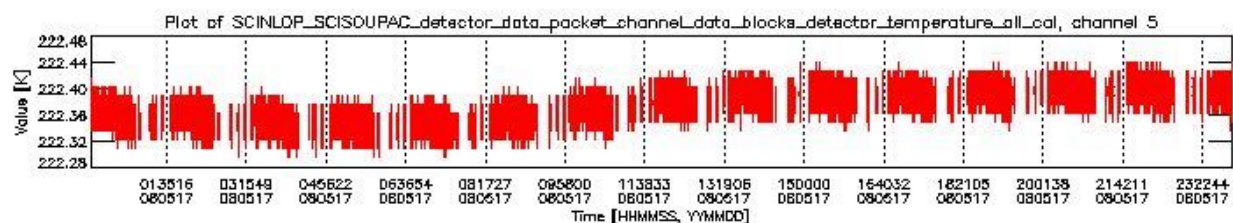
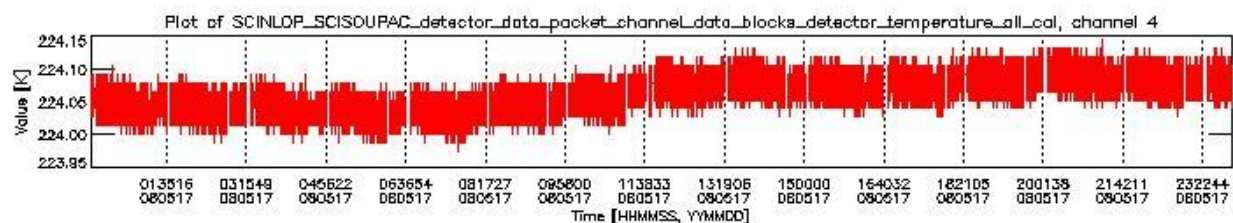
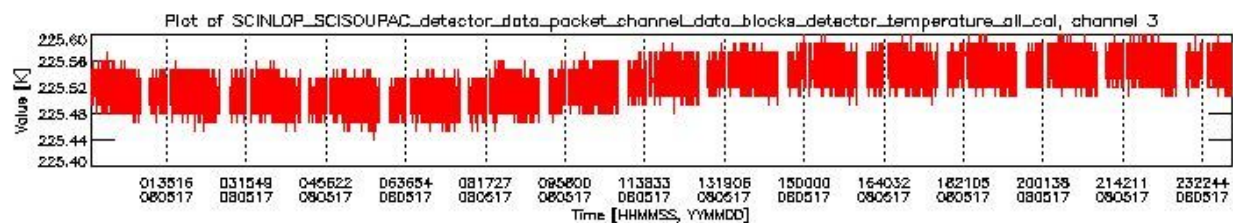
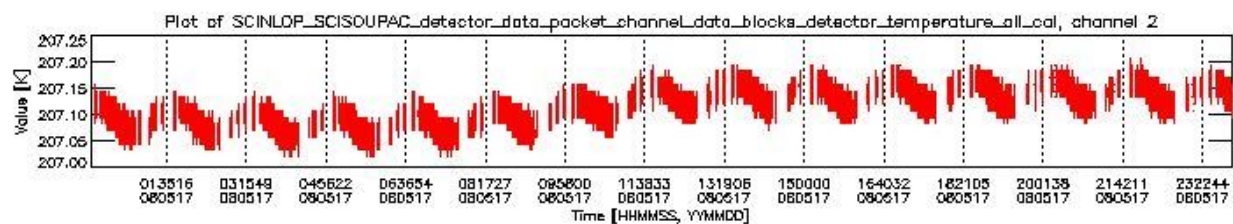
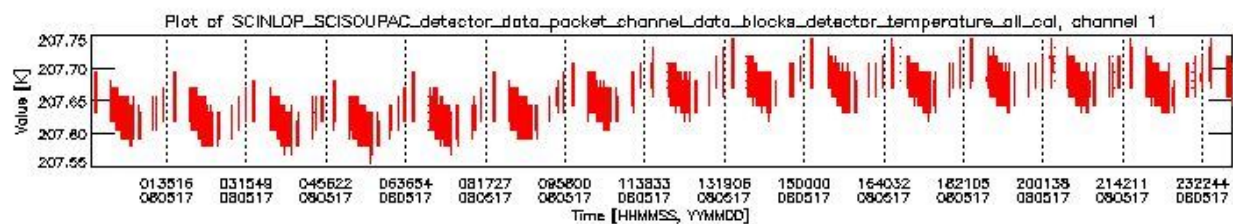
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080517_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080517_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080517_3.PNG

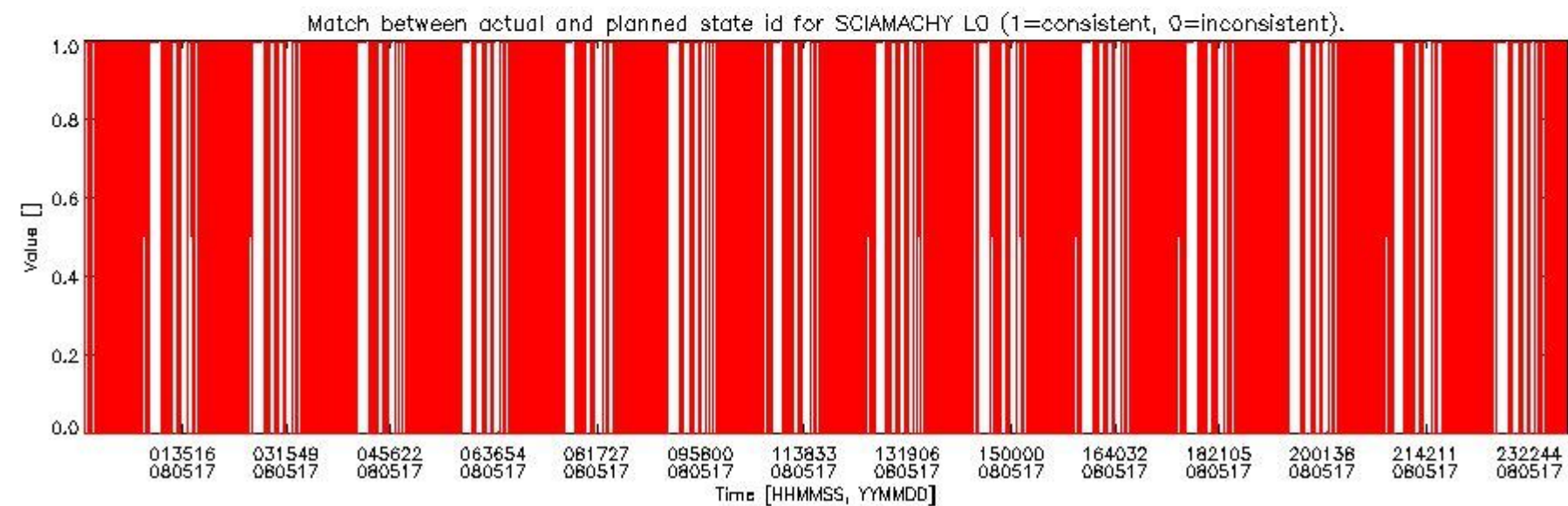
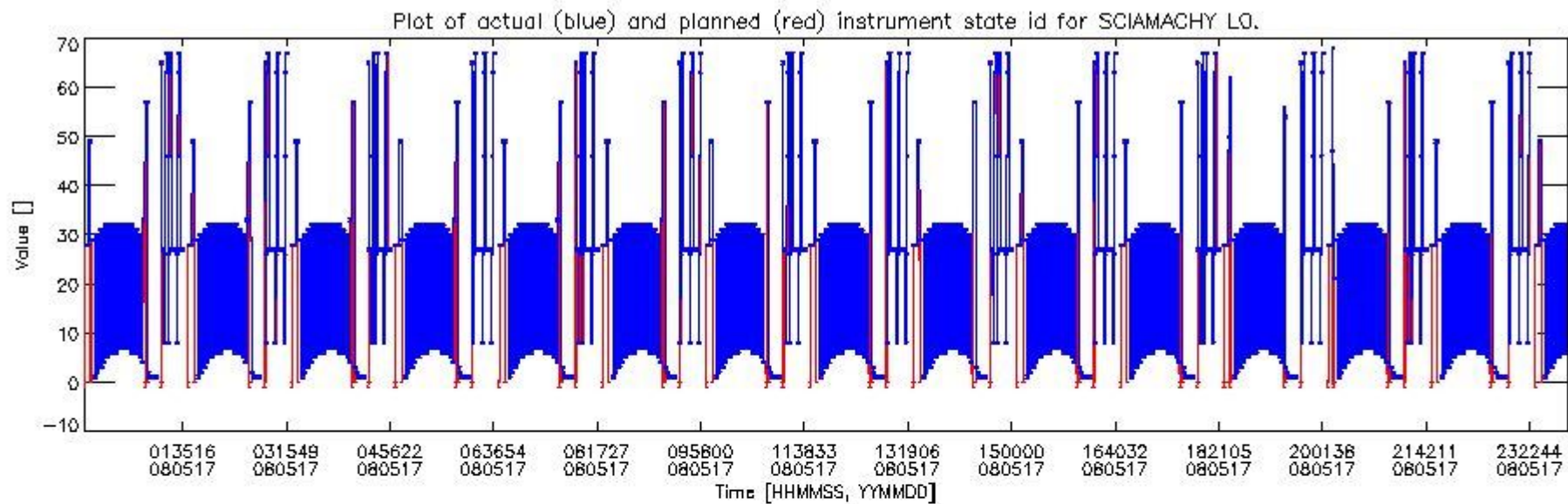


0.3 State monitoring

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: **35774**

#	Actual time	Actual value	Planned time	Planned value
0	17MAY2008 00:00:00.106940	28	17MAY2008 00:00:00.106940	0
1	17MAY2008 00:03:36.876514	49	17MAY2008 00:03:36.876514	28
2	17MAY2008 00:03:37.064001	49	17MAY2008 00:03:37.064001	28
3	17MAY2008 00:03:37.126483	49	17MAY2008 00:03:37.126483	28
4	17MAY2008 00:03:37.189005	49	17MAY2008 00:03:37.189005	28
5	17MAY2008 00:03:37.251487	49	17MAY2008 00:03:37.251487	28
6	17MAY2008 00:03:37.314009	49	17MAY2008 00:03:37.314009	28
7	17MAY2008 00:03:37.376491	49	17MAY2008 00:03:37.376491	28
8	17MAY2008 00:03:37.439014	49	17MAY2008 00:03:37.439014	28
9	17MAY2008 00:03:37.501496	49	17MAY2008 00:03:37.501496	28
10	17MAY2008 00:03:37.563978	49	17MAY2008 00:03:37.563978	28
11	17MAY2008 00:03:37.626500	49	17MAY2008 00:03:37.626500	28
12	17MAY2008 00:03:37.688982	49	17MAY2008 00:03:37.688982	28
13	17MAY2008 00:03:37.751504	49	17MAY2008 00:03:37.751504	28
14	17MAY2008 00:03:37.813987	49	17MAY2008 00:03:37.813987	28
15	17MAY2008 00:03:37.876509	49	17MAY2008 00:03:37.876509	28
16	17MAY2008 00:03:37.938991	49	17MAY2008 00:03:37.938991	28
17	17MAY2008 00:03:38.001513	49	17MAY2008 00:03:38.001513	28
18	17MAY2008 00:03:38.063995	49	17MAY2008 00:03:38.063995	28
19	17MAY2008 00:03:38.126477	49	17MAY2008 00:03:38.126477	28

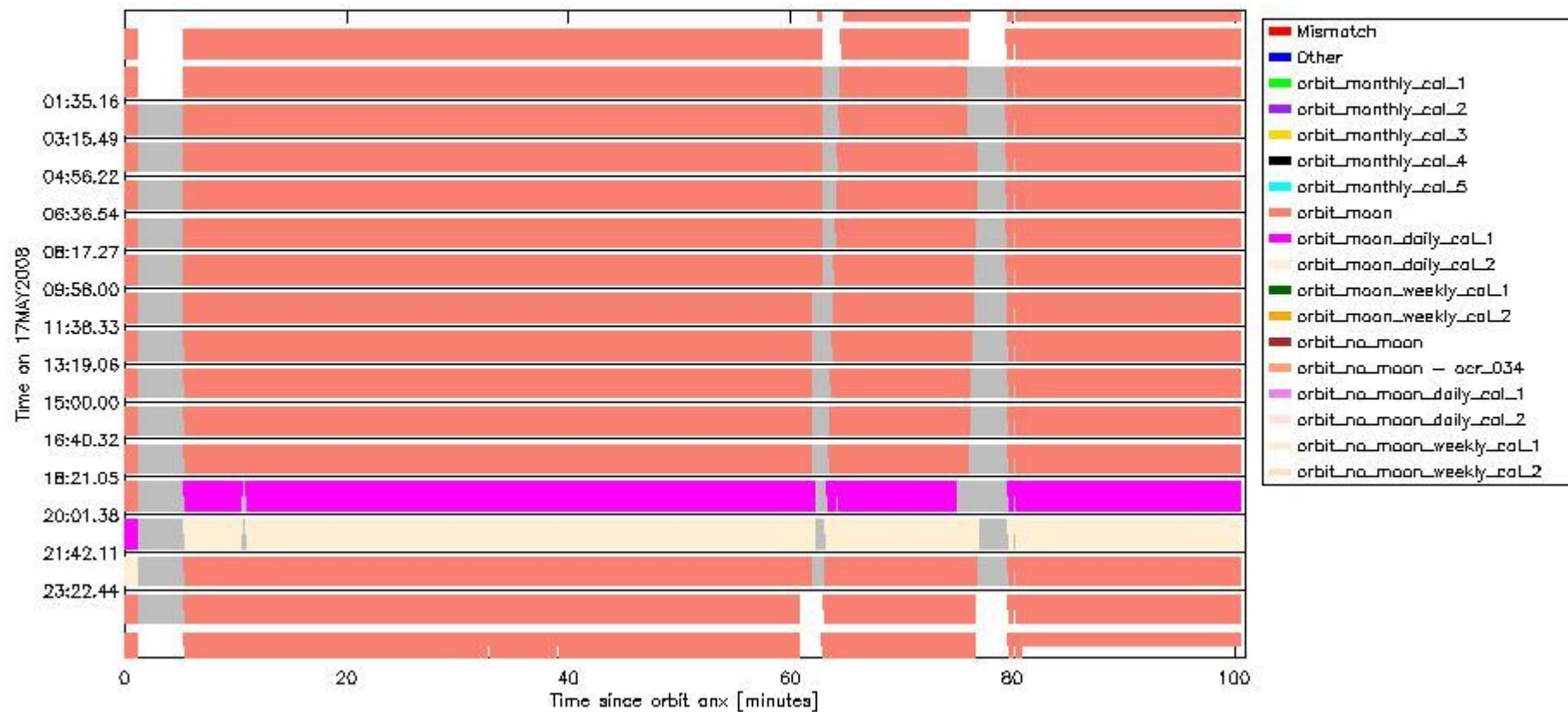


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080517_5.PNG

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 17MAY2008.
 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_20080517_6.PNG

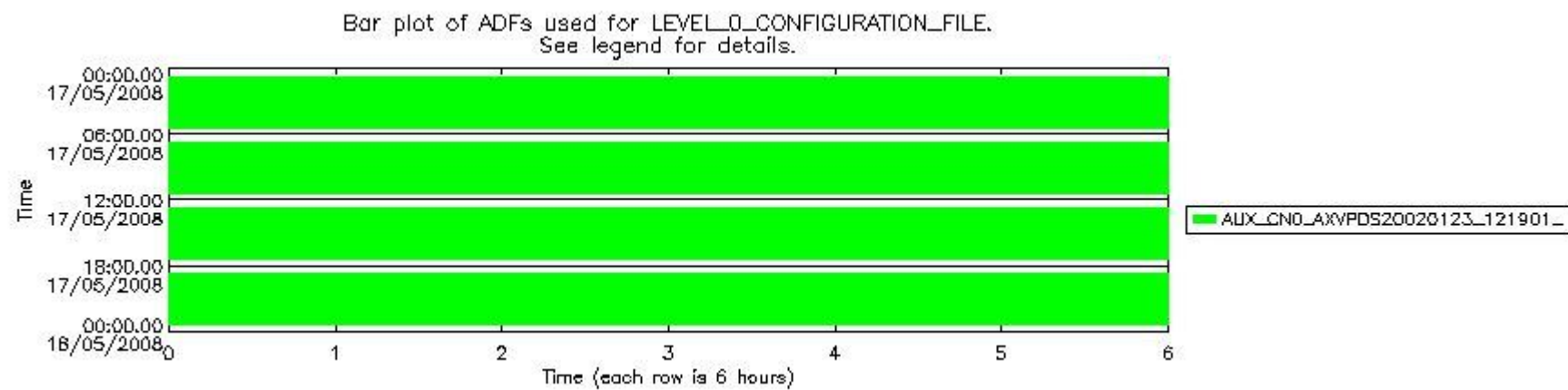
0.4 ADF monitoring

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

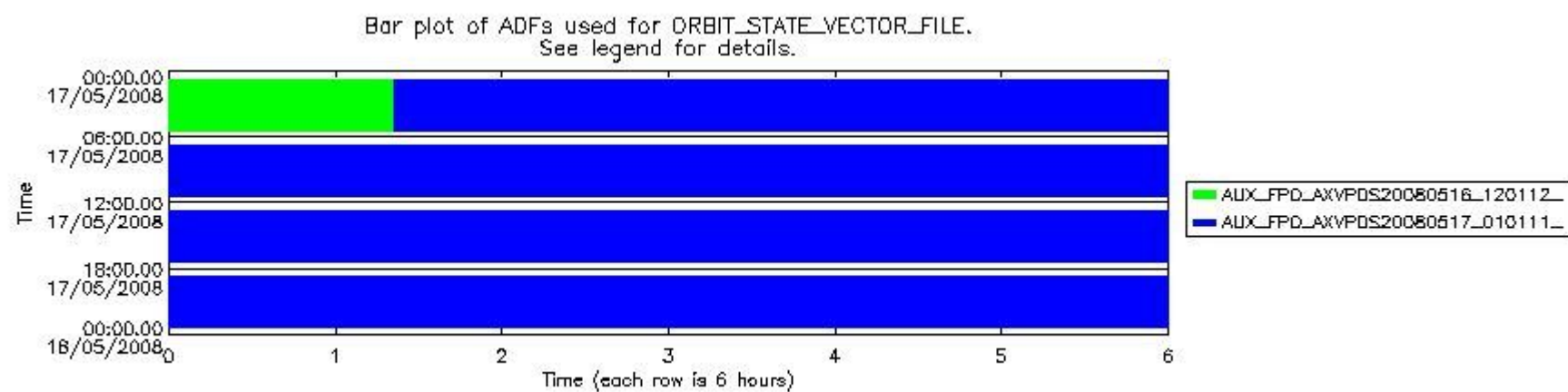
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

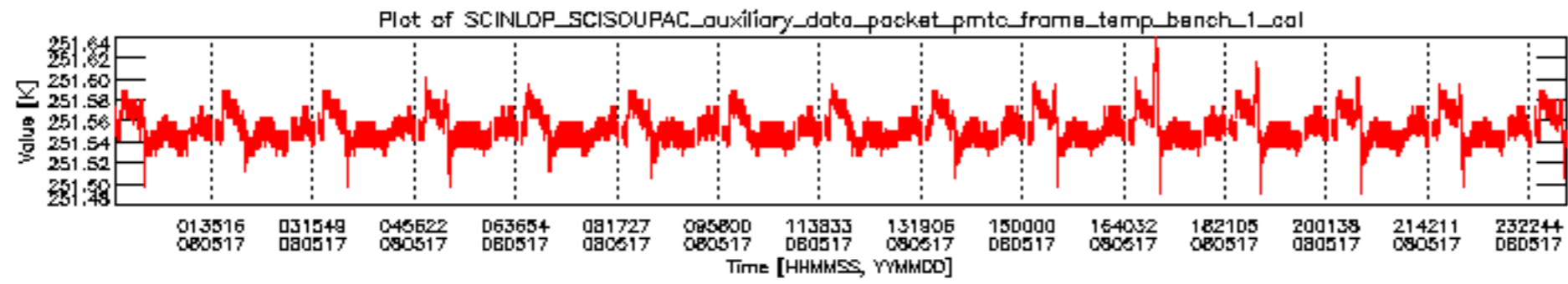
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080516_120112_20080515_192417_20080525_205031
2	AUX_FPO_AXVPDS20080517_010111_20080516_185240_20080526_201854

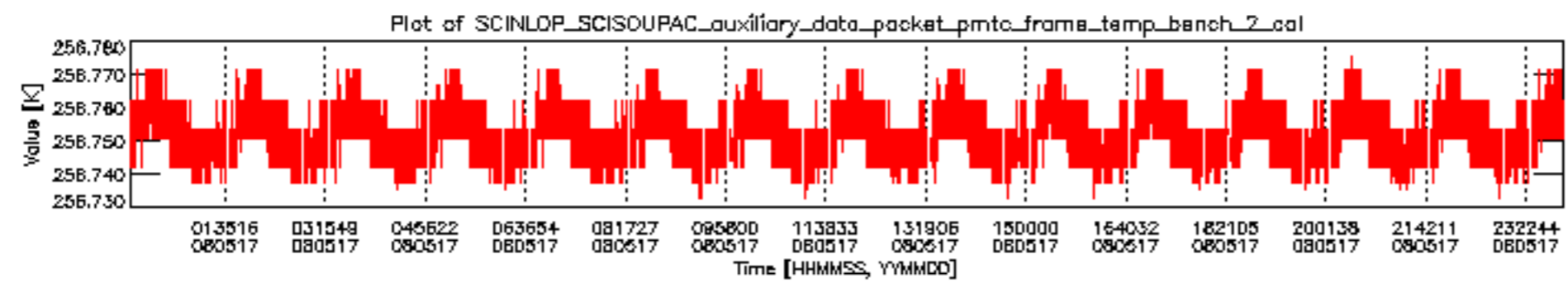


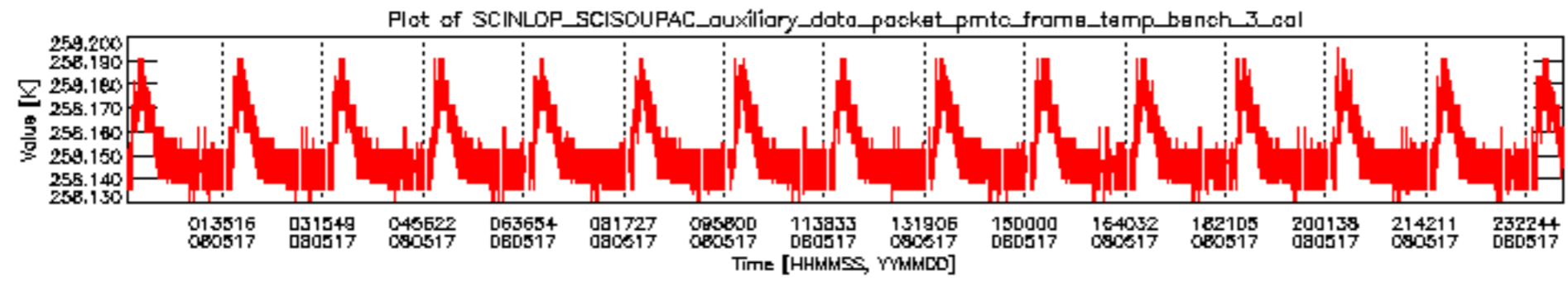
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080517_7.PNG

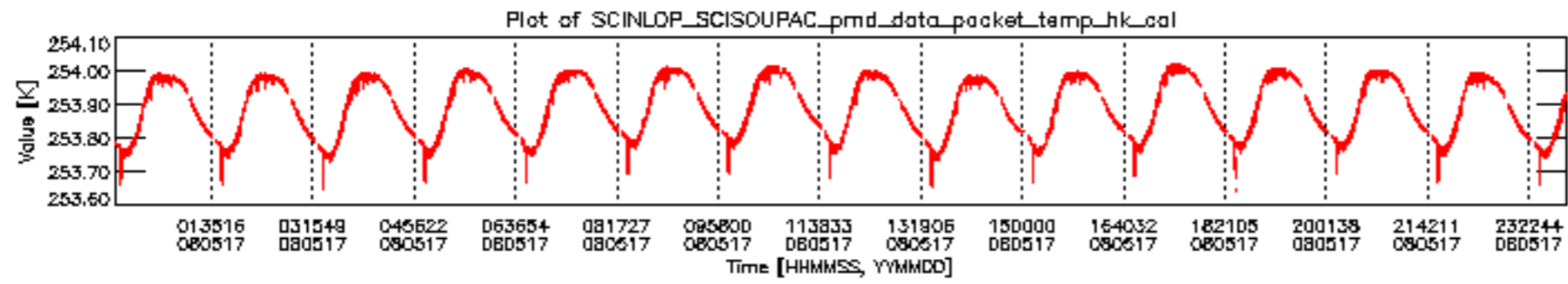


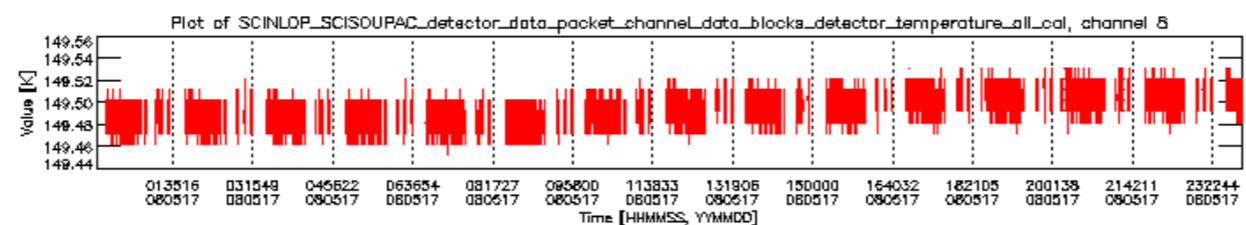
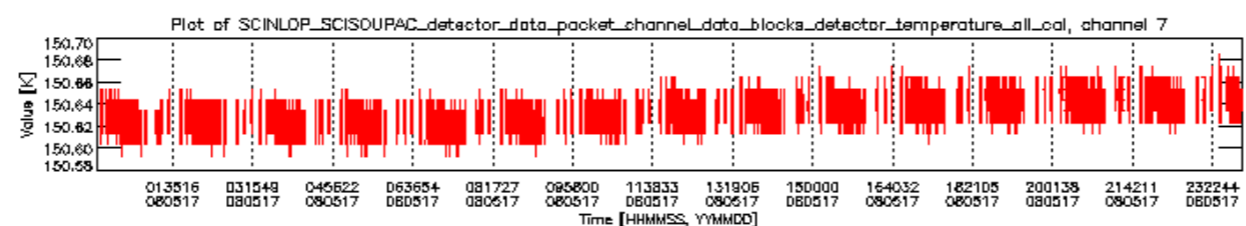
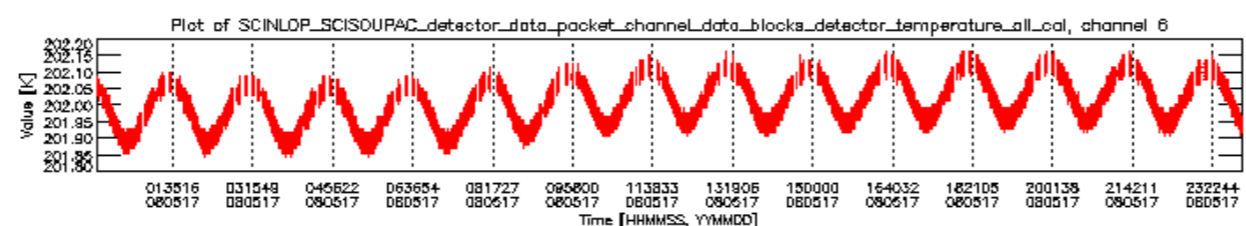
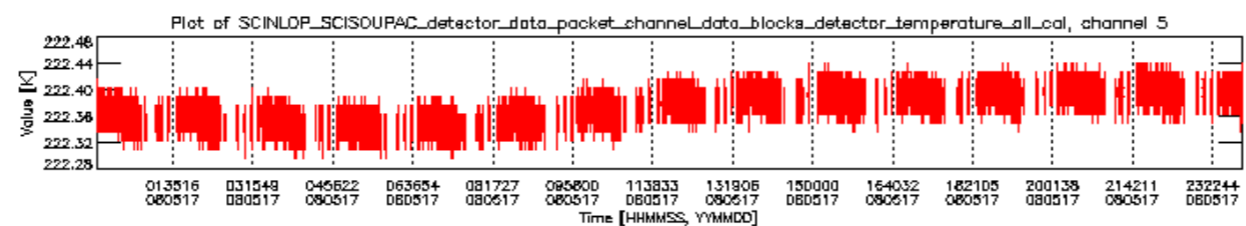
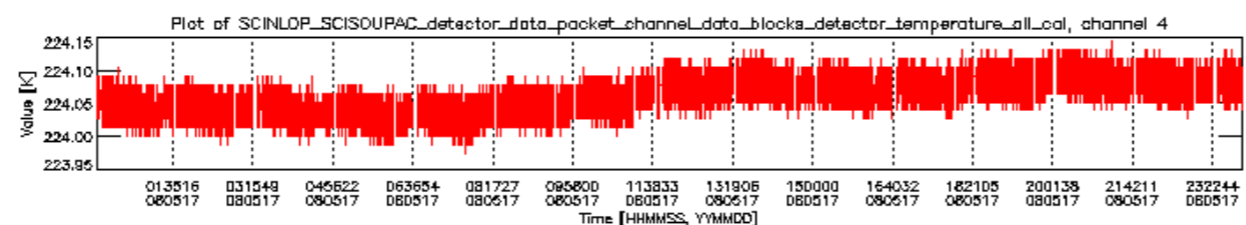
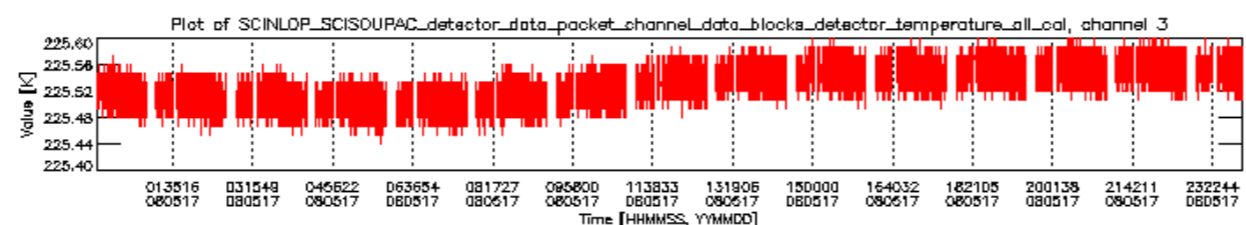
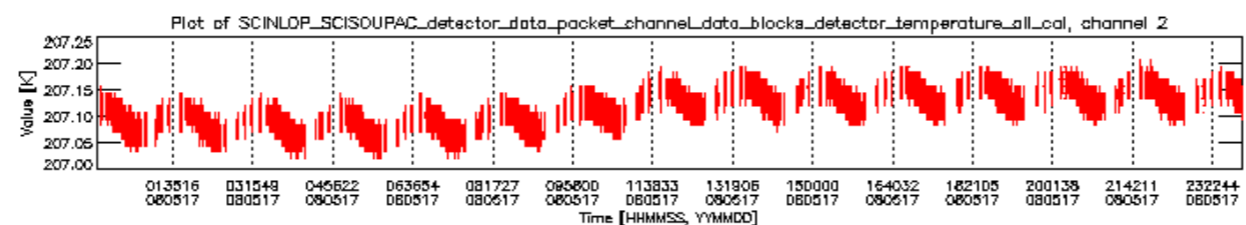
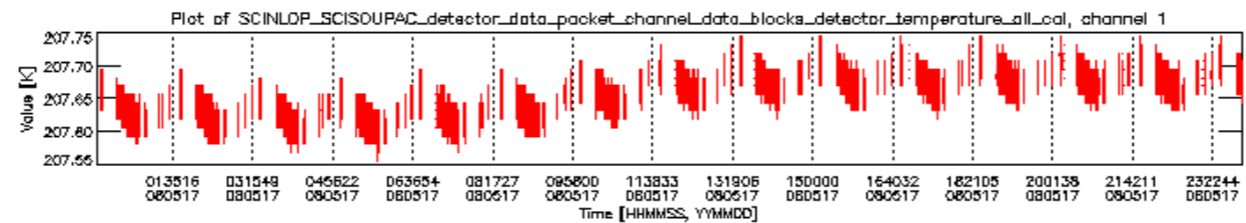
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080517_8.PNG

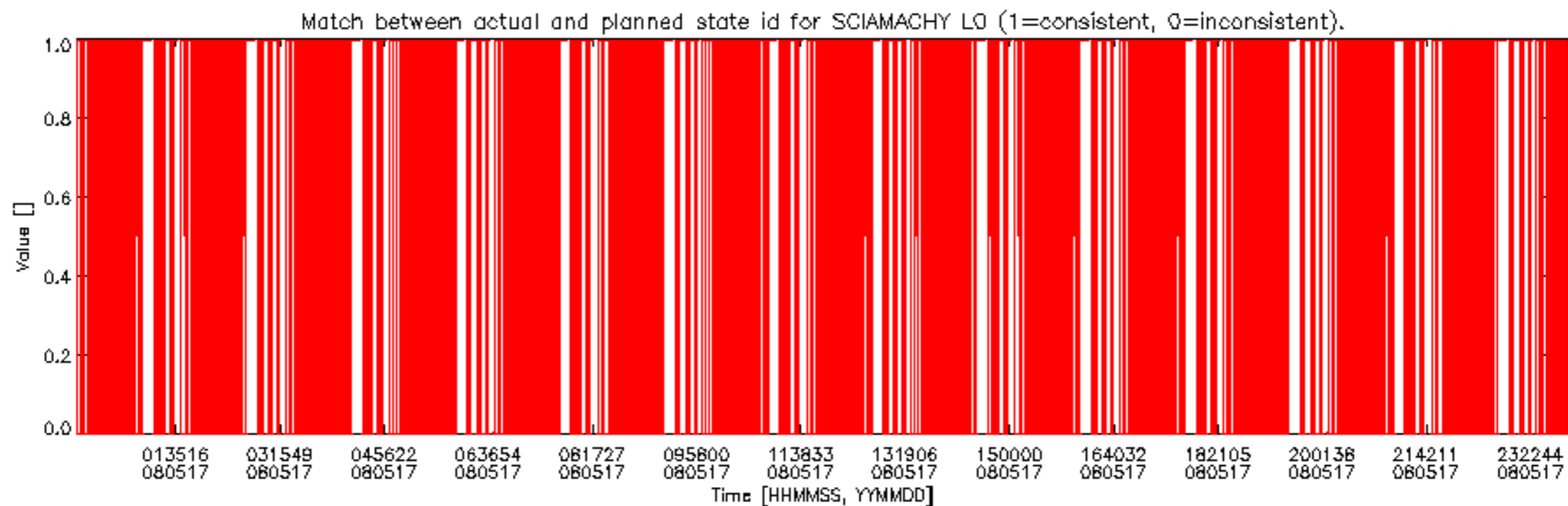
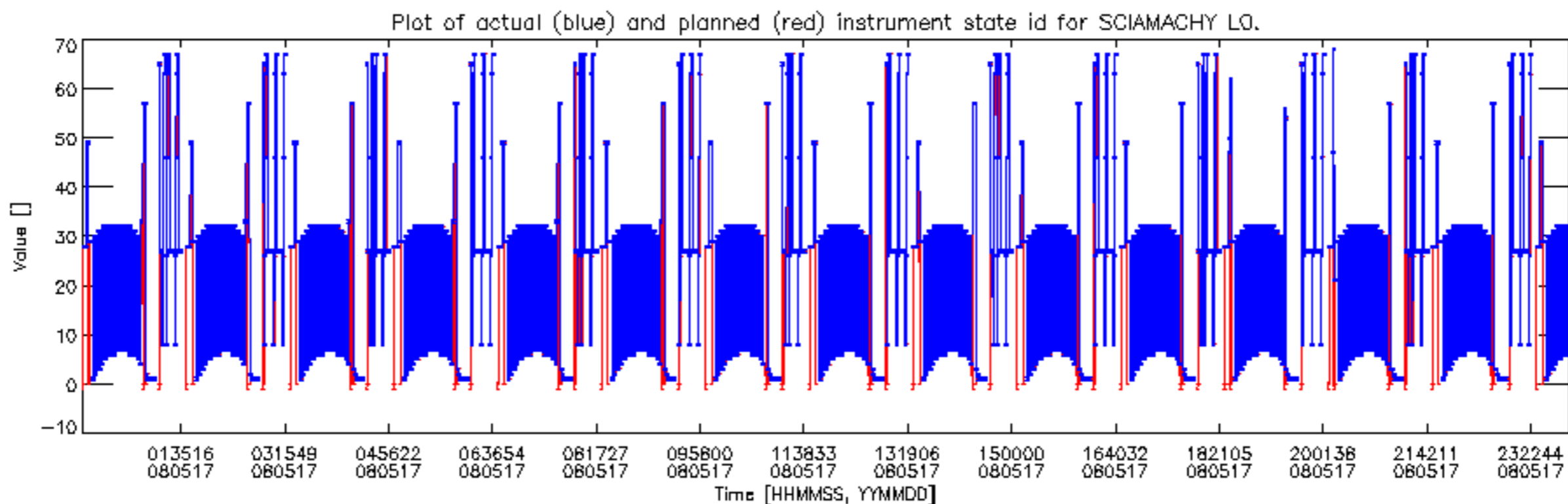












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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