

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	03MAY2009 04:43:55
Data source version	KSPT_L0/4303-N
Processing scope for products	29APR2009 00:00:00 to 30APR2009 00:00:00
Start time of first product within scope	29APR2009 11:56:38
Stop time of last product within scope	30APR2009 00:46:07
Total number of level 0 products	8
Number of level 0 products with errors	1

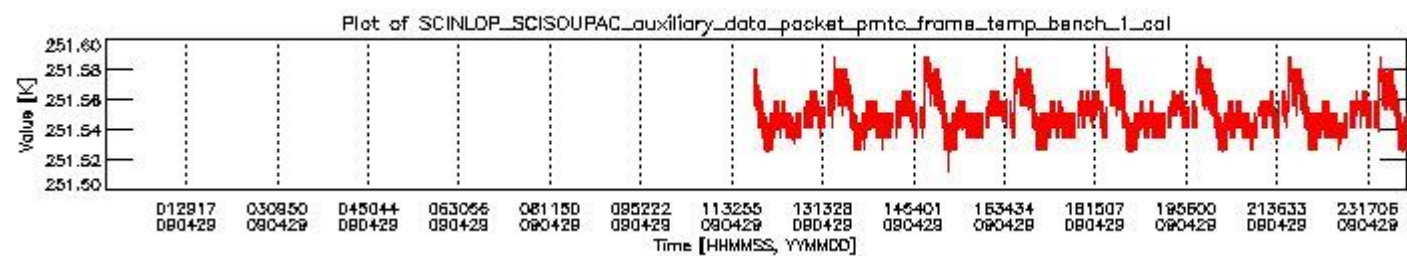
0.1.2 Summary per product

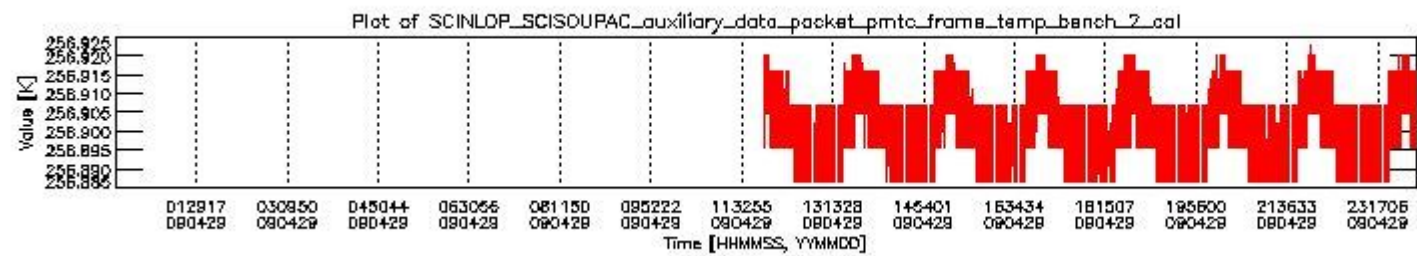
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20090429_115638_000061602078_00324_37452_1397.N1	29APR2009 11:56:38	29APR2009 13:39:18	1	1	1	0	0
1	SCI_NL__0PNPDK20090429_133822_000058982078_00325_37453_1398.N1	29APR2009 13:38:22	29APR2009 15:16:41	0	0	0	0	0
2	SCI_NL__0PNPDK20090429_151641_000058552078_00326_37454_1399.N1	29APR2009 15:16:41	29APR2009 16:54:16	0	0	0	0	0
3	SCI_NL__0PNPDK20090429_165212_000058722078_00327_37455_1400.N1	29APR2009 16:52:12	29APR2009 18:30:04	0	0	0	0	0
4	SCI_NL__0PNPDK20090429_182908_000060362078_00328_37456_1401.N1	29APR2009 18:29:08	29APR2009 20:09:44	0	0	0	0	0
5	SCI_NL__0PNPDE20090429_200848_000045212078_00329_37457_9043.N1	29APR2009 20:08:48	29APR2009 21:24:09	0	0	0	0	0
6	SCI_NL__0PNPDE20090429_212201_000061632078_00329_37457_9044.N1	29APR2009 21:22:01	29APR2009 23:04:44	0	0	0	0	0
7	SCI_NL__0PNPDE20090429_230400_000061262078_00330_37458_9045.N1	29APR2009 23:04:00	30APR2009 00:46:07	0	0	0	0	0

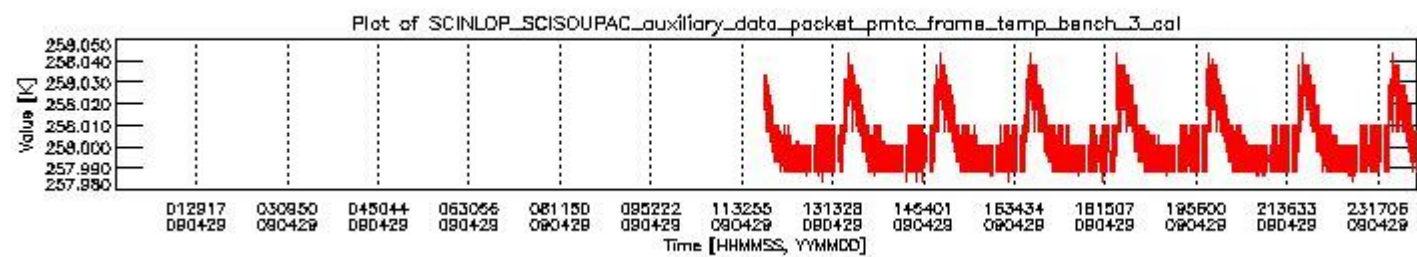
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

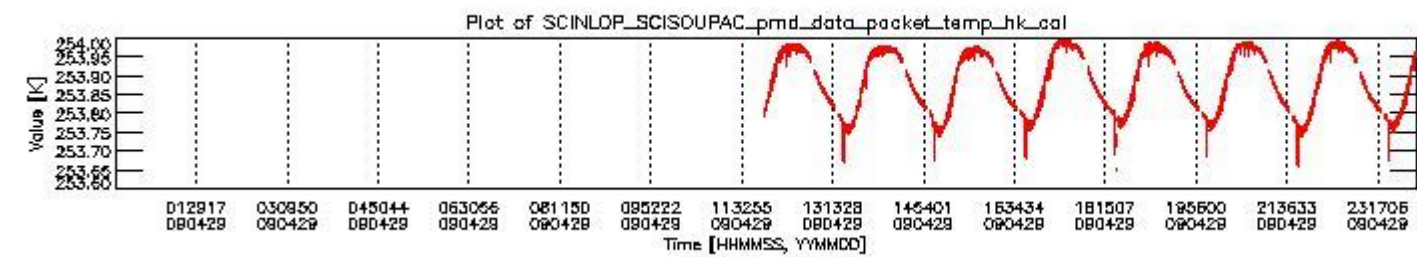




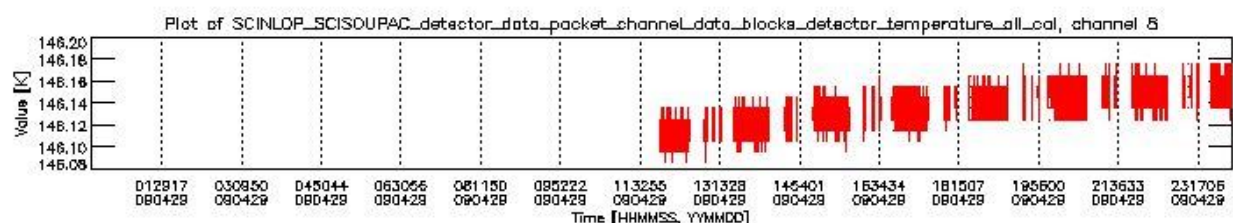
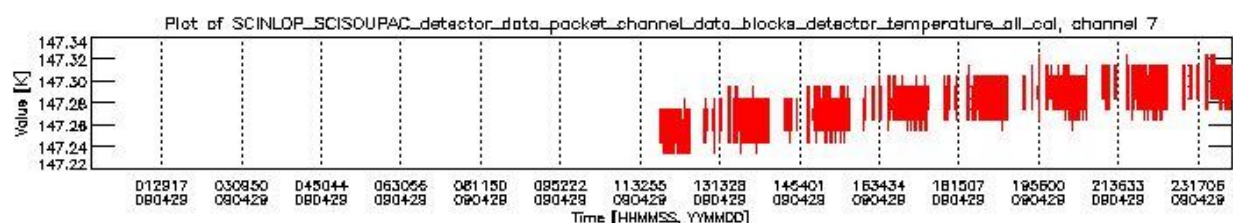
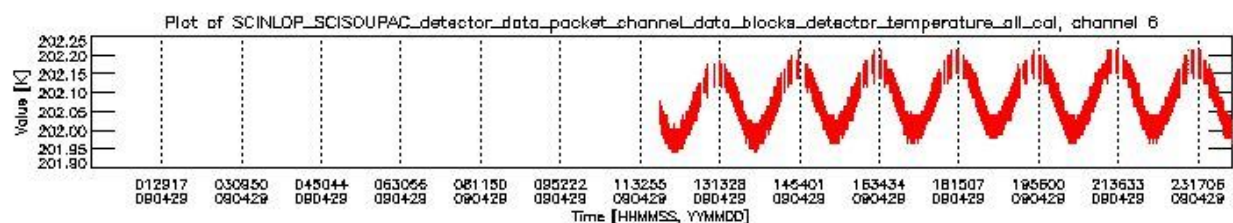
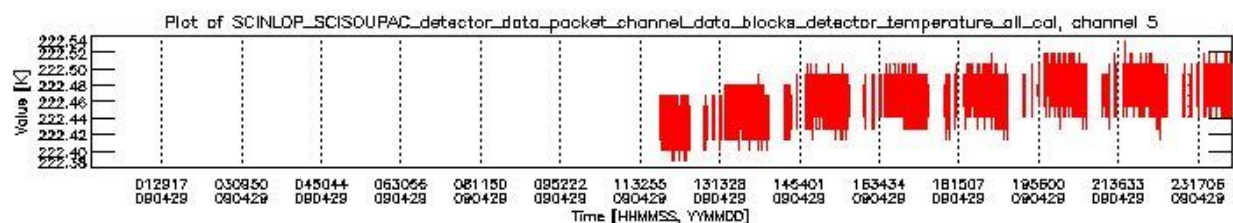
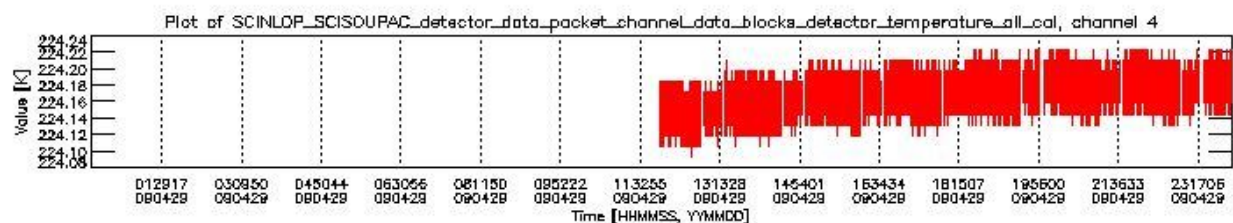
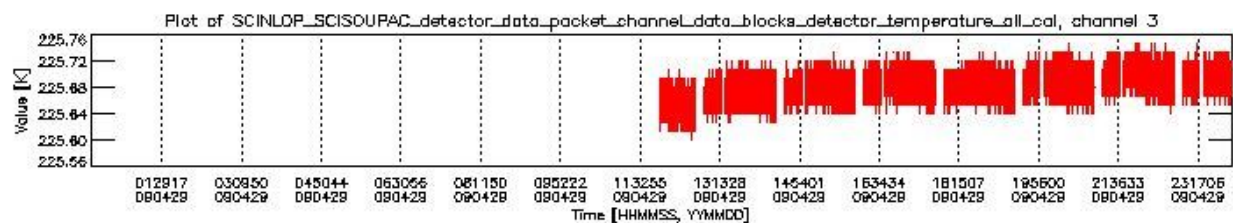
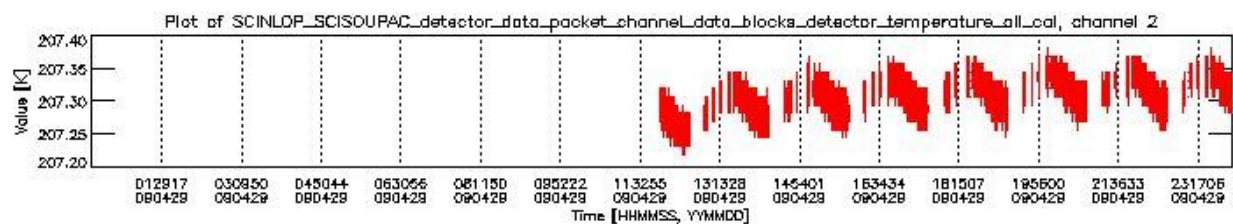
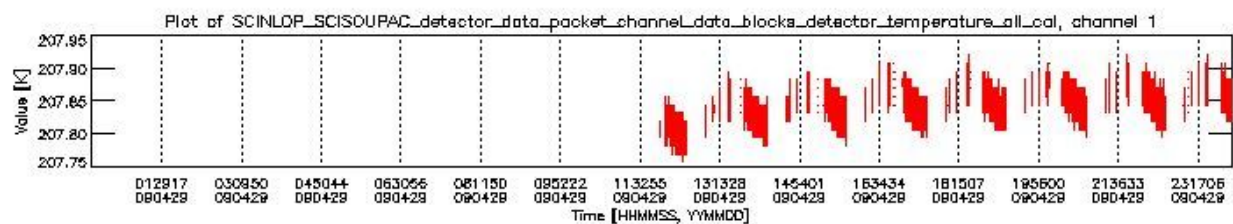
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090429_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090429_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090429_3.PNG

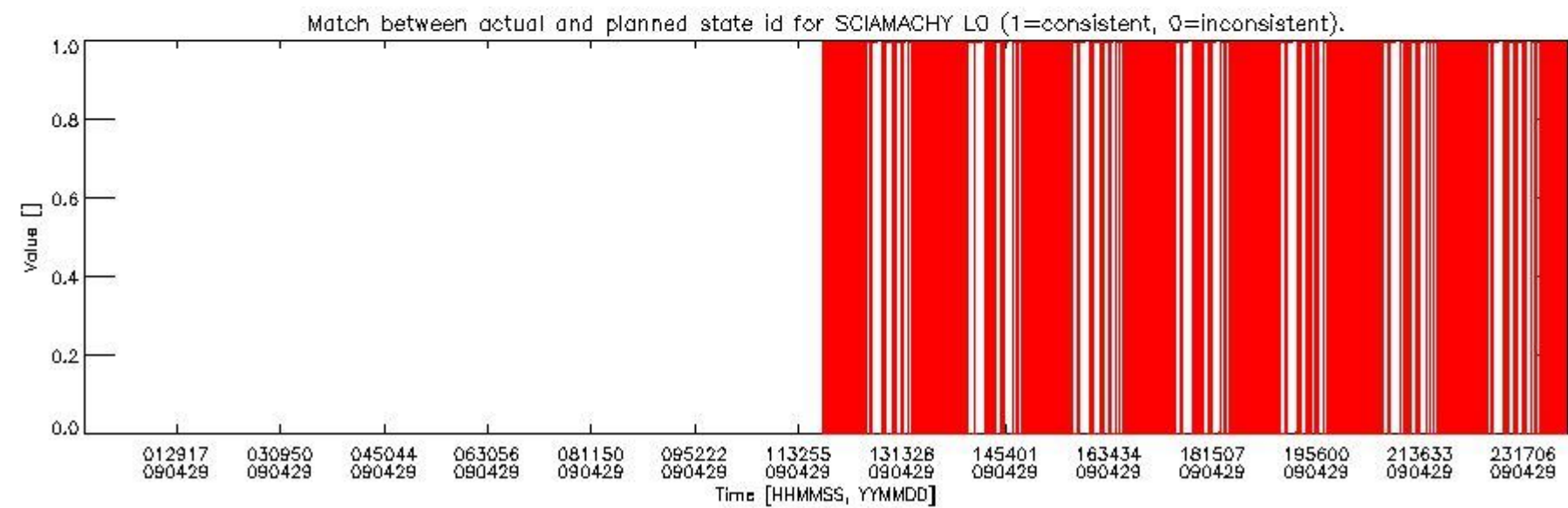
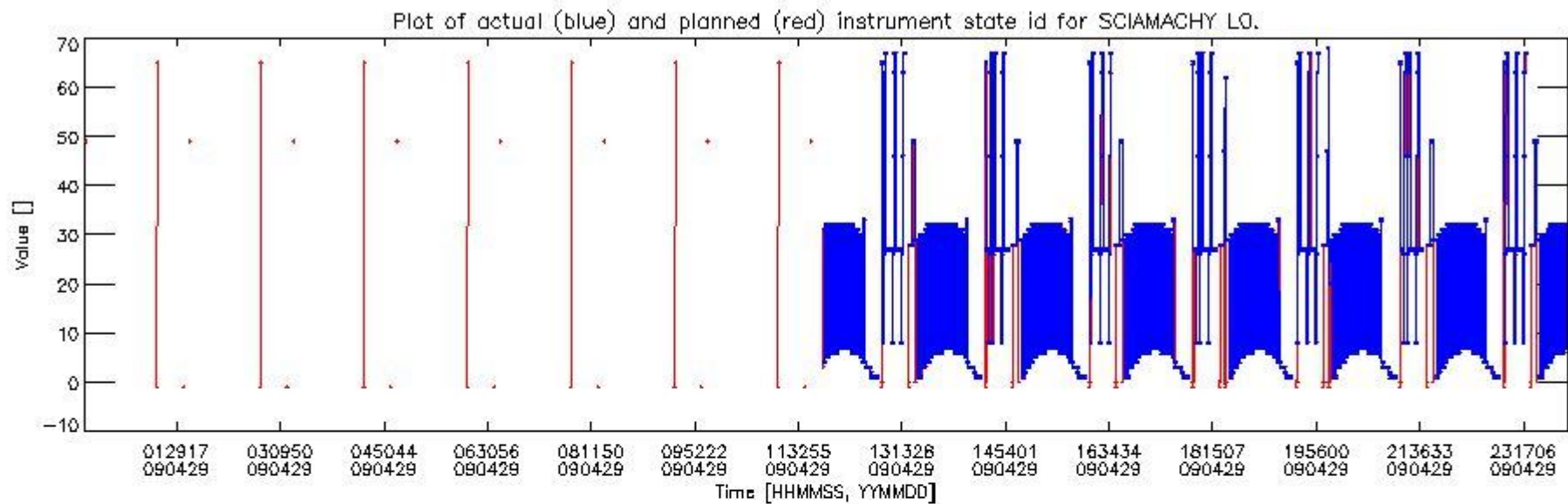


0.3 State monitoring

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: **27697**

#	Actual time	Actual value	Planned time	Planned value
0	29APR2009 11:56:48.509427	31	29APR2009 11:56:48.509427	3
1	29APR2009 11:57:34.376610	4	29APR2009 11:57:34.376610	31
2	29APR2009 11:57:34.626618	4	29APR2009 11:57:34.626618	31
3	29APR2009 11:57:34.751623	4	29APR2009 11:57:34.751623	31
4	29APR2009 11:57:34.876587	4	29APR2009 11:57:34.876587	31
5	29APR2009 11:57:35.001591	4	29APR2009 11:57:35.001591	31
6	29APR2009 11:57:35.126595	4	29APR2009 11:57:35.126595	31
7	29APR2009 11:57:35.251600	4	29APR2009 11:57:35.251600	31
8	29APR2009 11:57:35.376604	4	29APR2009 11:57:35.376604	31
9	29APR2009 11:57:35.501609	4	29APR2009 11:57:35.501609	31
10	29APR2009 11:57:35.626613	4	29APR2009 11:57:35.626613	31
11	29APR2009 11:57:35.751617	4	29APR2009 11:57:35.751617	31
12	29APR2009 11:57:35.876622	4	29APR2009 11:57:35.876622	31
13	29APR2009 11:57:36.001586	4	29APR2009 11:57:36.001586	31
14	29APR2009 11:57:36.126590	4	29APR2009 11:57:36.126590	31
15	29APR2009 11:57:36.251594	4	29APR2009 11:57:36.251594	31
16	29APR2009 11:57:36.376599	4	29APR2009 11:57:36.376599	31
17	29APR2009 11:57:36.501603	4	29APR2009 11:57:36.501603	31
18	29APR2009 11:57:36.626607	4	29APR2009 11:57:36.626607	31
19	29APR2009 11:57:36.751612	4	29APR2009 11:57:36.751612	31



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090429_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 29APR2009.
 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_20090429_6.PNG

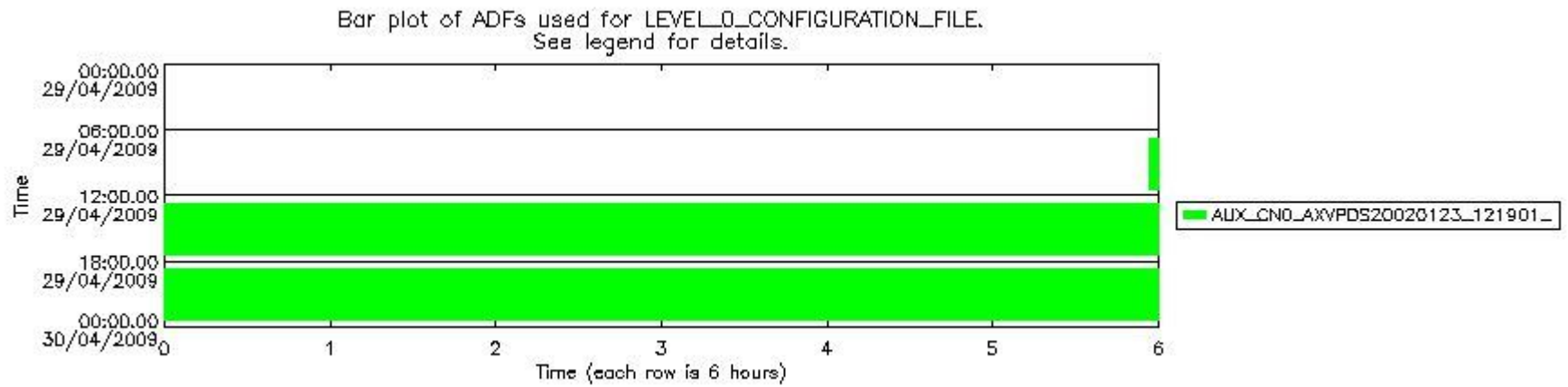
0.4 ADF monitoring

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

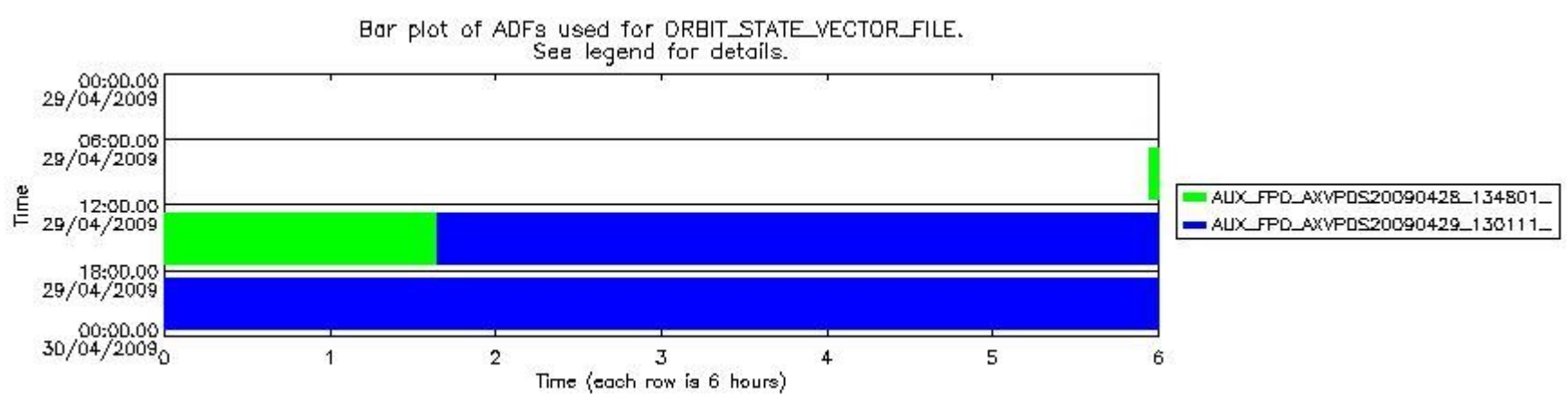
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

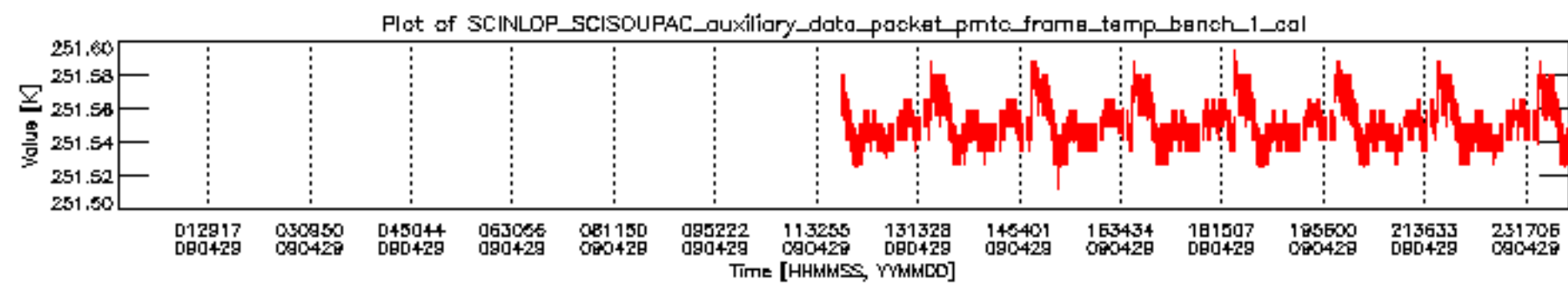
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090428_134801_20090427_191829_20090507_204444
2	AUX_FPO_AXVPDS20090429_130111_20090428_184652_20090508_201307

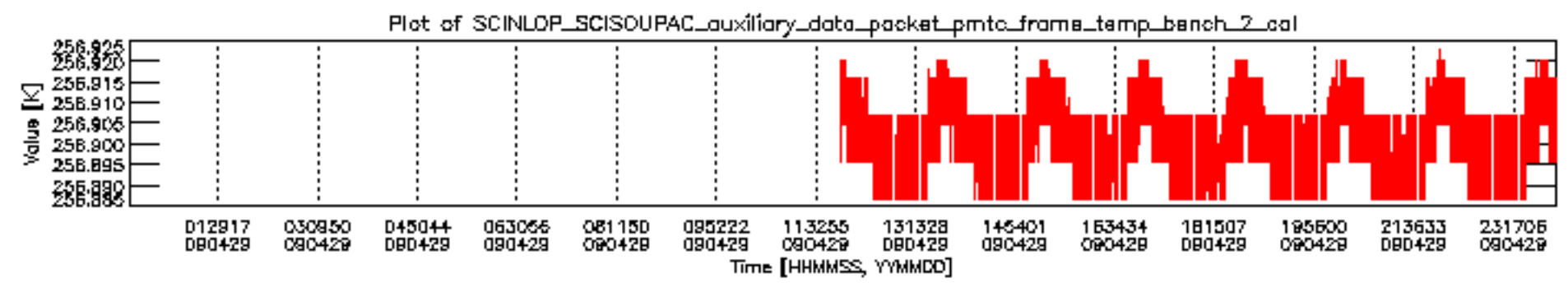


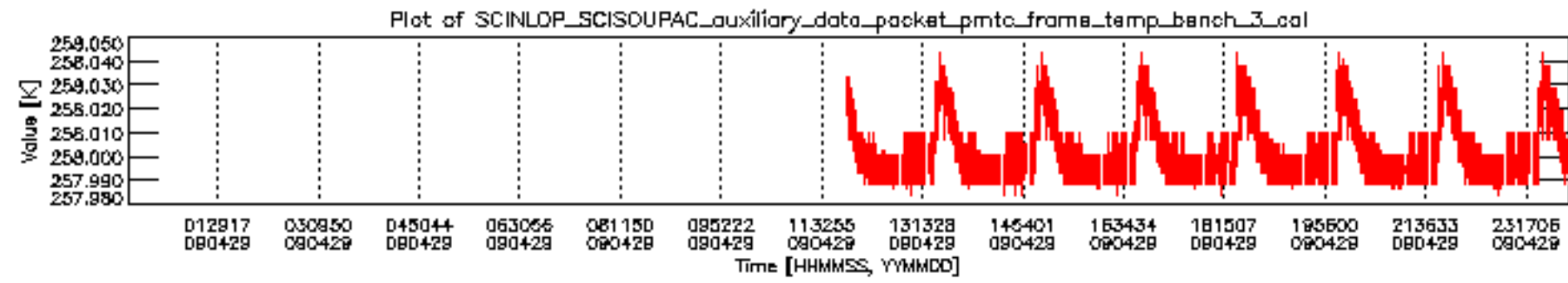
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090429_7.PNG

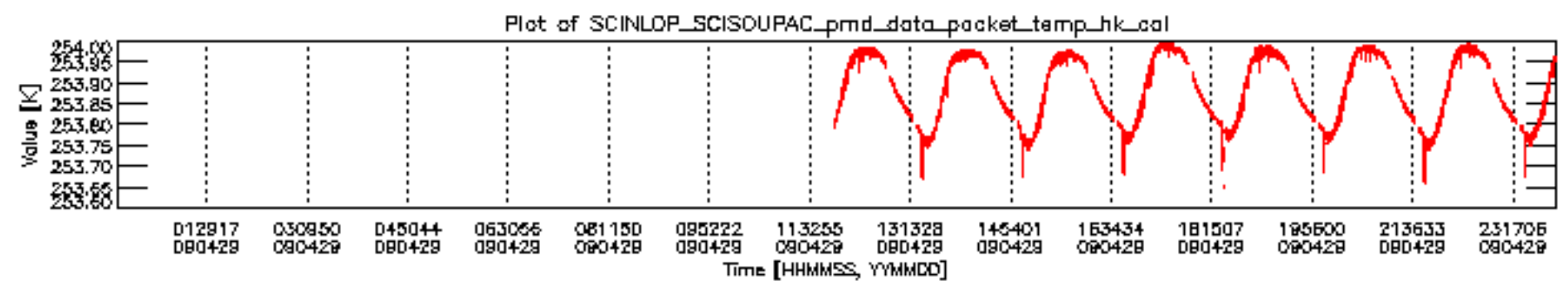


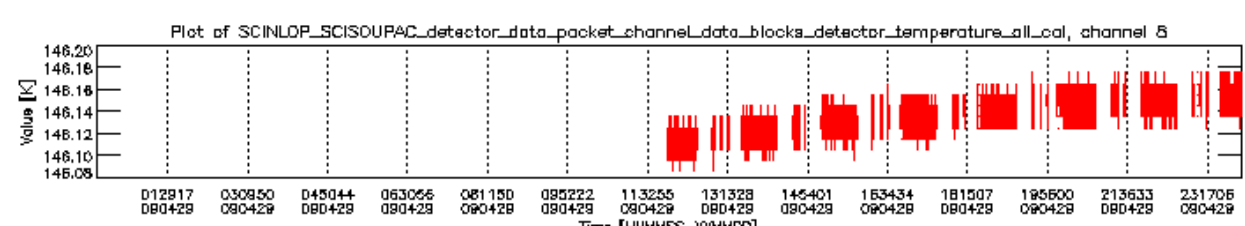
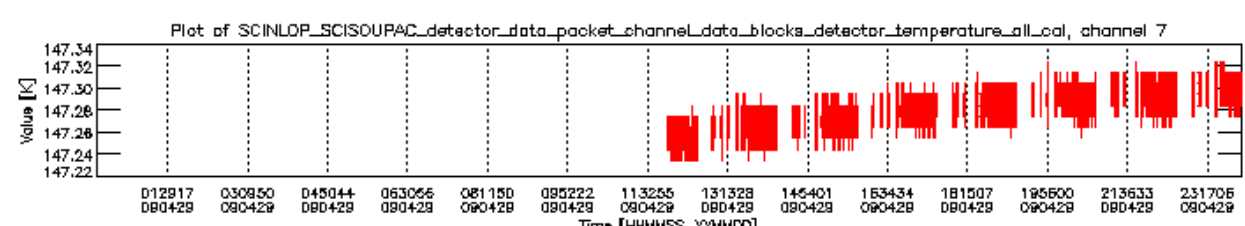
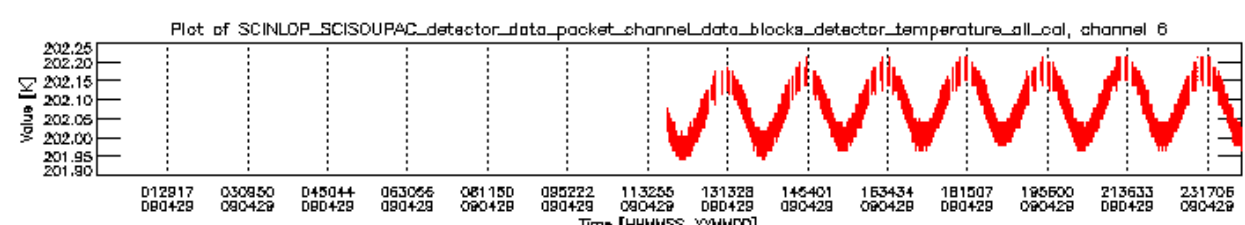
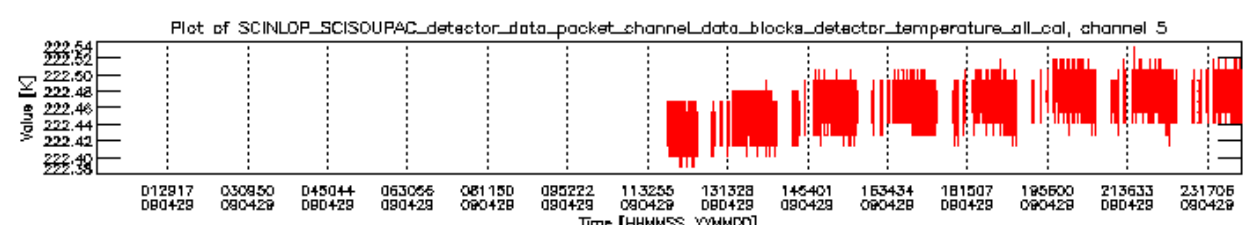
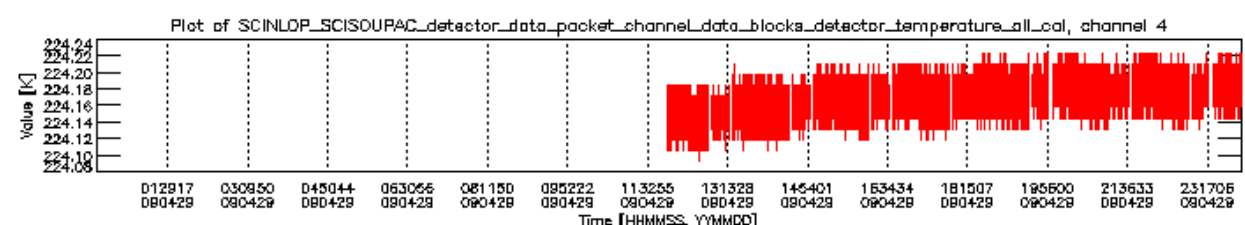
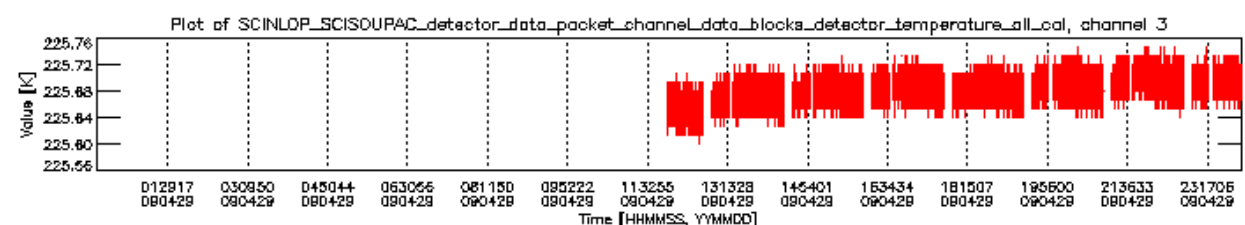
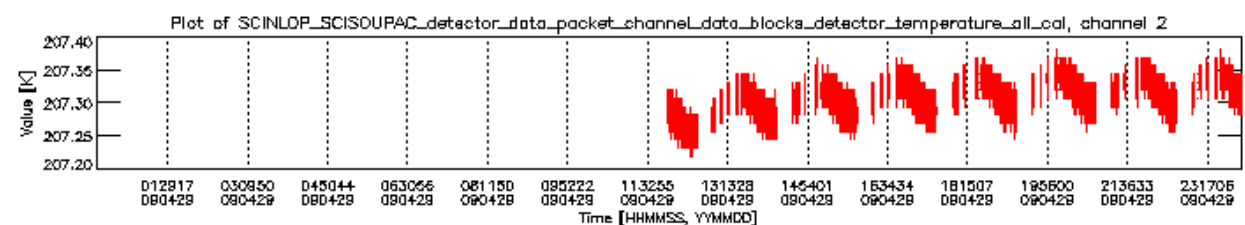
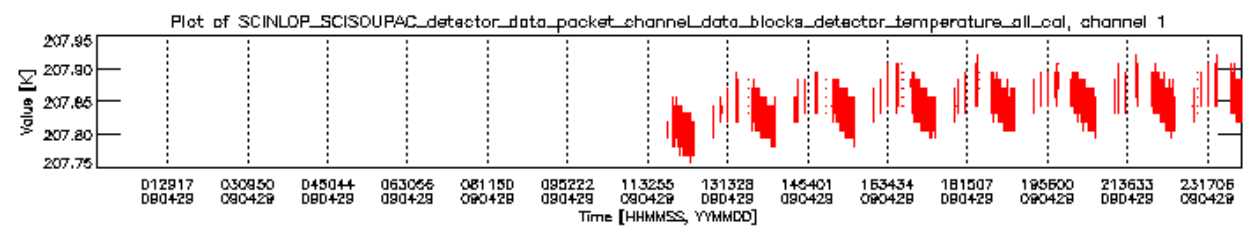
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090429_8.PNG

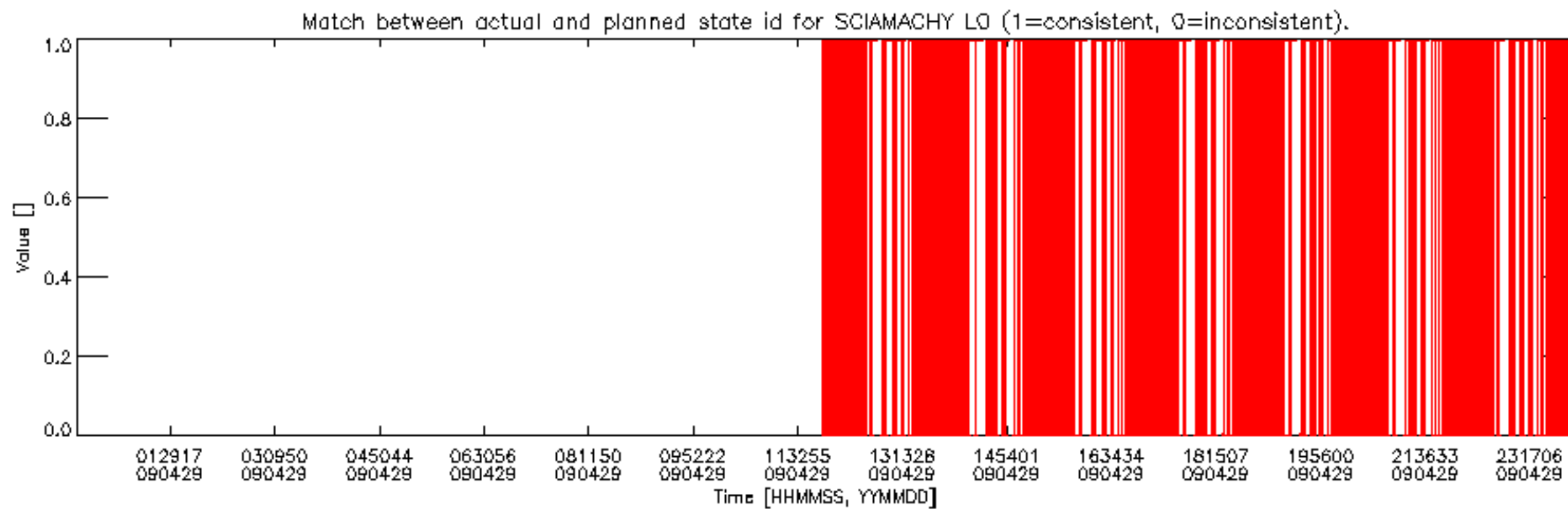
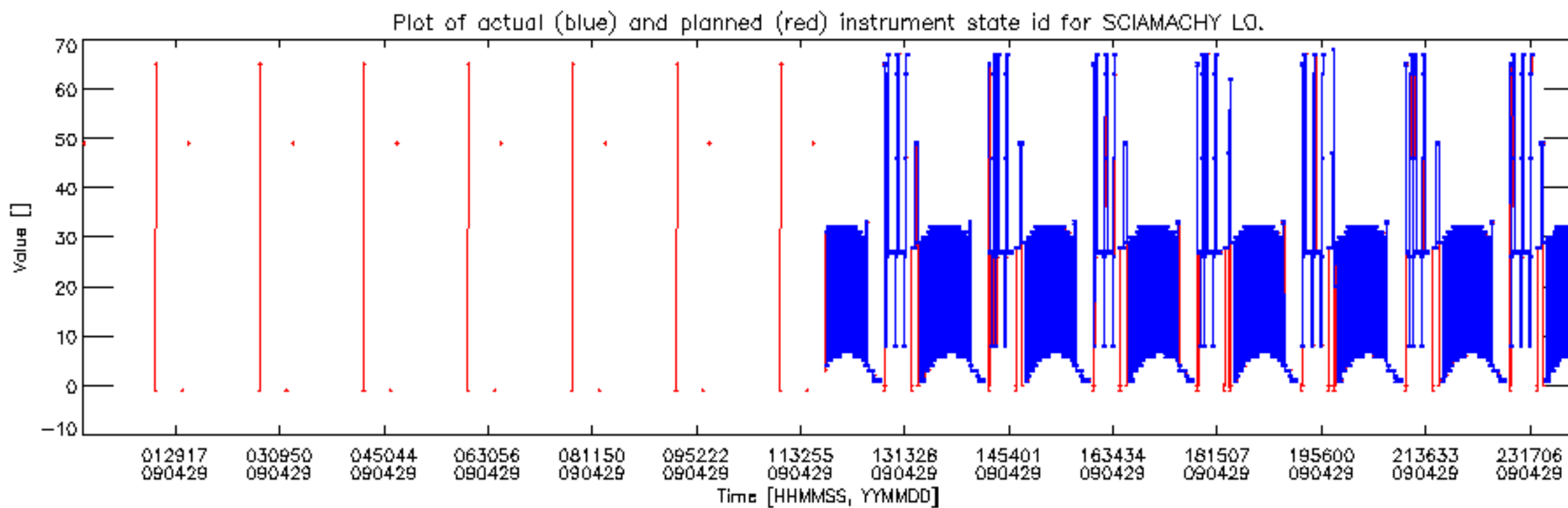












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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