

# 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	16SEP2006 08:40:54
Data source version	PFHS/5.37-N
Processing scope for products	12SEP2006 00:00:00 to 13SEP2006 00:00:00
Start time of first product within scope	11SEP2006 23:06:00
Stop time of last product within scope	13SEP2006 00:13:06
Total number of level 0 products	16
Number of level 0 products with errors	16

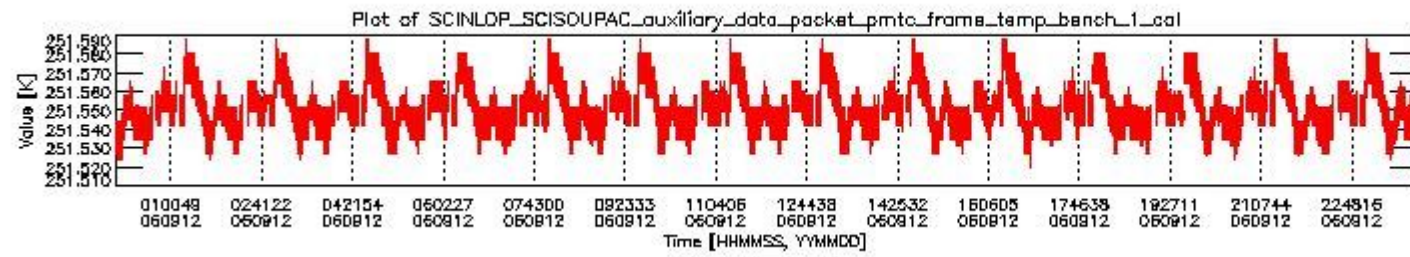
### 0.1.2 Summary per product

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

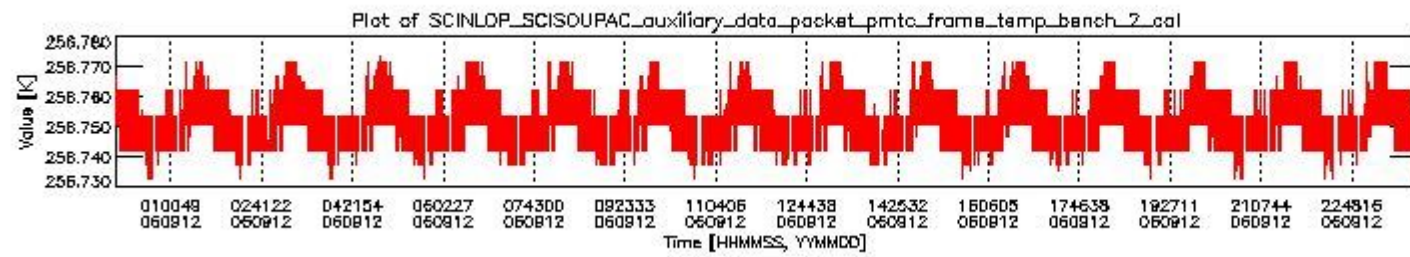
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20060911_230600_000061822051_00101_23702_0574.N1	11SEP2006 23:06:00	12SEP2006 00:49:02	1	0	1	0	0
1	SCI_NL__OPNPDE20060912_004815_000058162051_00102_23703_0575.N1	12SEP2006 00:48:15	12SEP2006 02:25:12	1	0	1	0	0
2	SCI_NL__OPNPDE20060912_022512_000044982051_00103_23704_0576.N1	12SEP2006 02:25:12	12SEP2006 03:40:11	1	0	1	0	0
3	SCI_NL__OPNPDE20060912_033903_000061602051_00104_23705_0577.N1	12SEP2006 03:39:03	12SEP2006 05:21:43	1	0	1	0	0
4	SCI_NL__OPNPDE20060912_052143_000060362051_00105_23706_0578.N1	12SEP2006 05:21:43	12SEP2006 07:02:20	1	0	1	0	0
5	SCI_NL__OPNPDK20060912_070124_000041572051_00106_23707_0699.N1	12SEP2006 07:01:24	12SEP2006 08:10:41	1	0	1	0	0
6	SCI_NL__OPNPDK20060912_081041_000061042051_00107_23708_0700.N1	12SEP2006 08:10:41	12SEP2006 09:52:26	1	0	1	0	0
7	SCI_NL__OPNPDK20060912_095130_000059672051_00108_23709_0701.N1	12SEP2006 09:51:30	12SEP2006 11:30:58	1	0	1	0	0
8	SCI_NL__OPNPDK20060912_112950_000060492051_00109_23710_0702.N1	12SEP2006 11:29:50	12SEP2006 13:10:39	1	0	1	0	0
9	SCI_NL__OPNPDK20060912_130930_000059112051_00110_23711_0703.N1	12SEP2006 13:09:30	12SEP2006 14:48:02	1	0	1	0	0
10	SCI_NL__OPNPDK20060912_144654_000058562051_00111_23712_0704.N1	12SEP2006 14:46:54	12SEP2006 16:24:30	1	0	1	0	0
11	SCI_NL__OPNPDK20060912_162238_000059602051_00112_23713_0705.N1	12SEP2006 16:22:38	12SEP2006 18:01:58	1	0	1	0	0
12	SCI_NL__OPNPDK20060912_180001_000060362051_00113_23714_0706.N1	12SEP2006 18:00:01	12SEP2006 19:40:37	1	0	1	0	0
13	SCI_NL__OPNPDE20060912_194037_000039412051_00114_23715_0579.N1	12SEP2006 19:40:37	12SEP2006 20:46:19	1	0	1	0	0
14	SCI_NL__OPNPDE20060912_204510_000066072051_00114_23715_0580.N1	12SEP2006 20:45:10	12SEP2006 22:35:18	1	0	1	0	0
15	SCI_NL__OPNPDE20060912_223431_000059152051_00115_23716_0581.N1	12SEP2006 22:34:31	13SEP2006 00:13:06	1	0	1	0	0

## 0.2 Product Quality Indicators

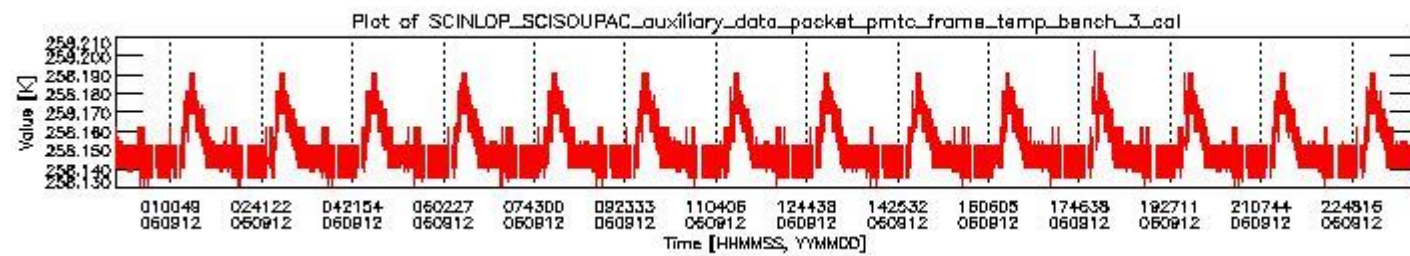
This section shows information about product quality, currently temperatures.



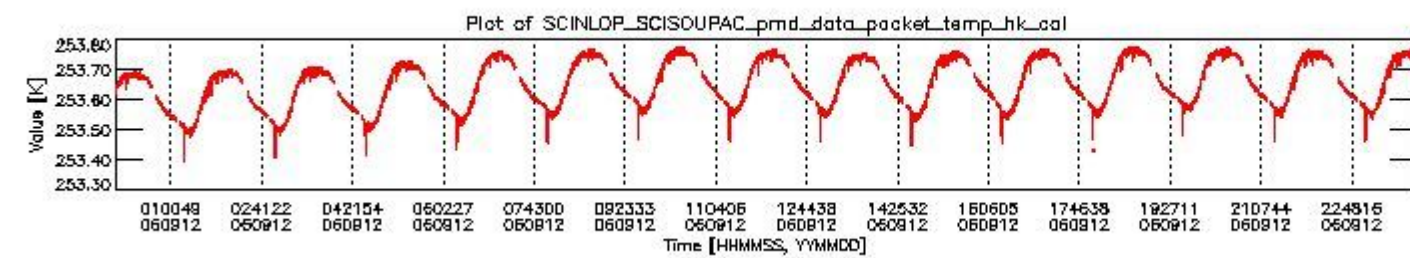
sciamachy\_daily\_report\_level0\_PPHS\_5\_37\_N\_20060912\_0.PNG



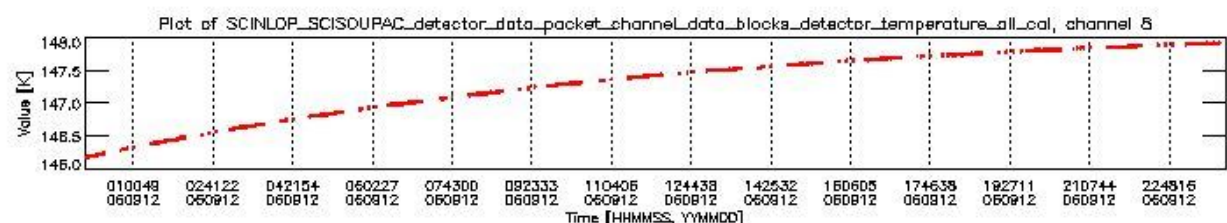
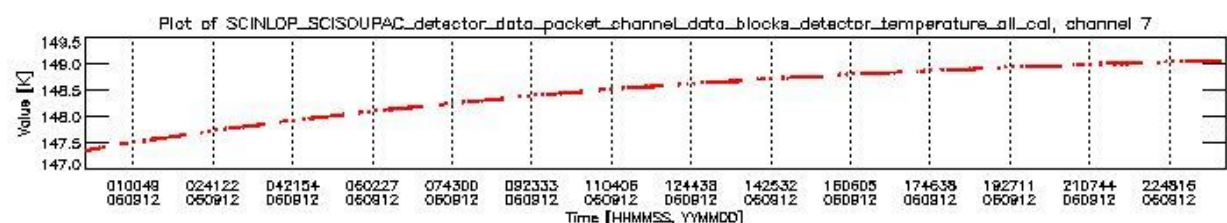
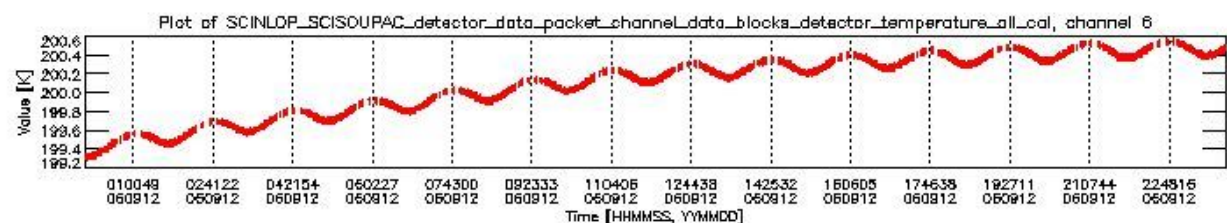
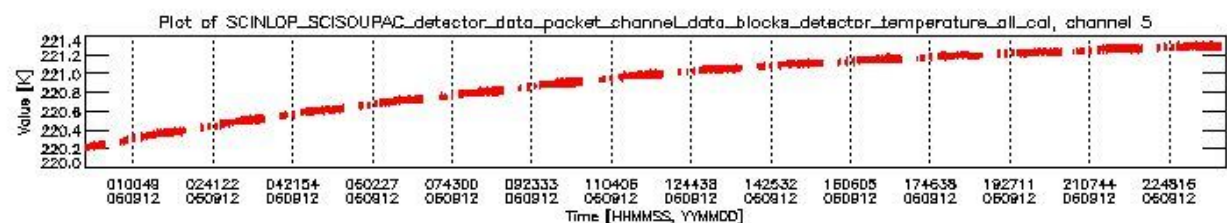
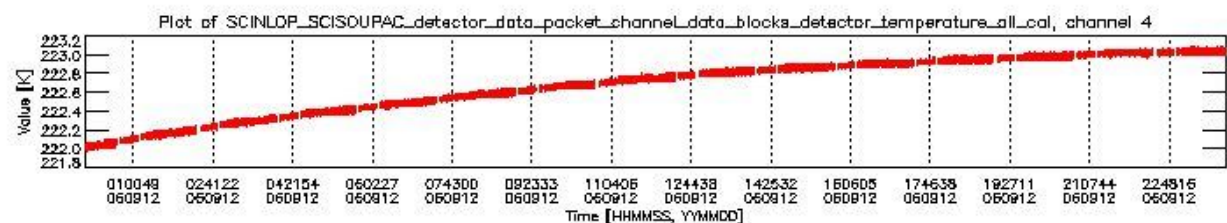
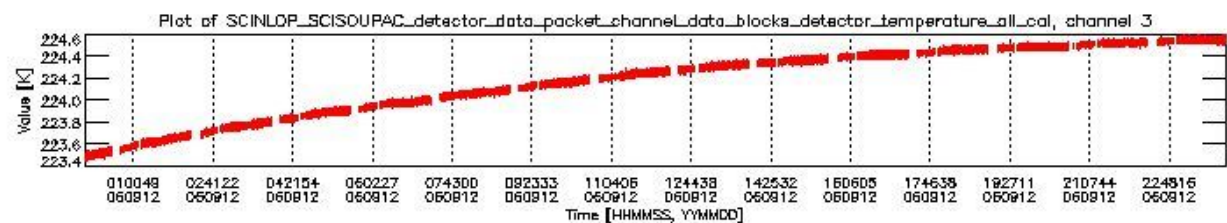
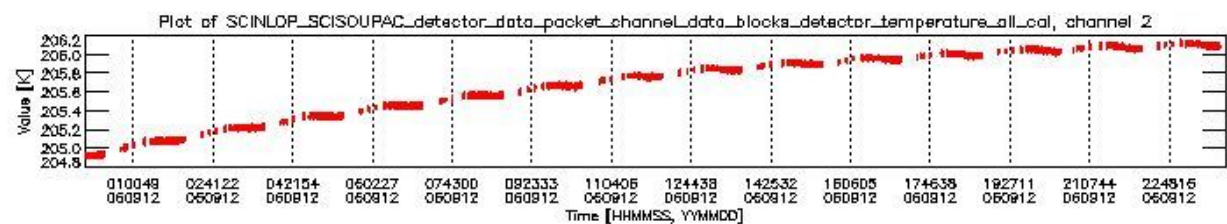
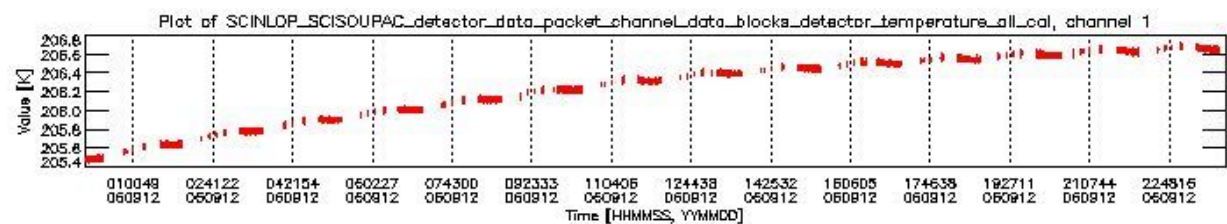
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sciamachy\_daily\_report\_level0\_PPHS\_5\_37\_N\_20060912\_2.PNG



sciamachy\_daily\_report\_level0\_PPHS\_5\_37\_N\_20060912\_3.PNG

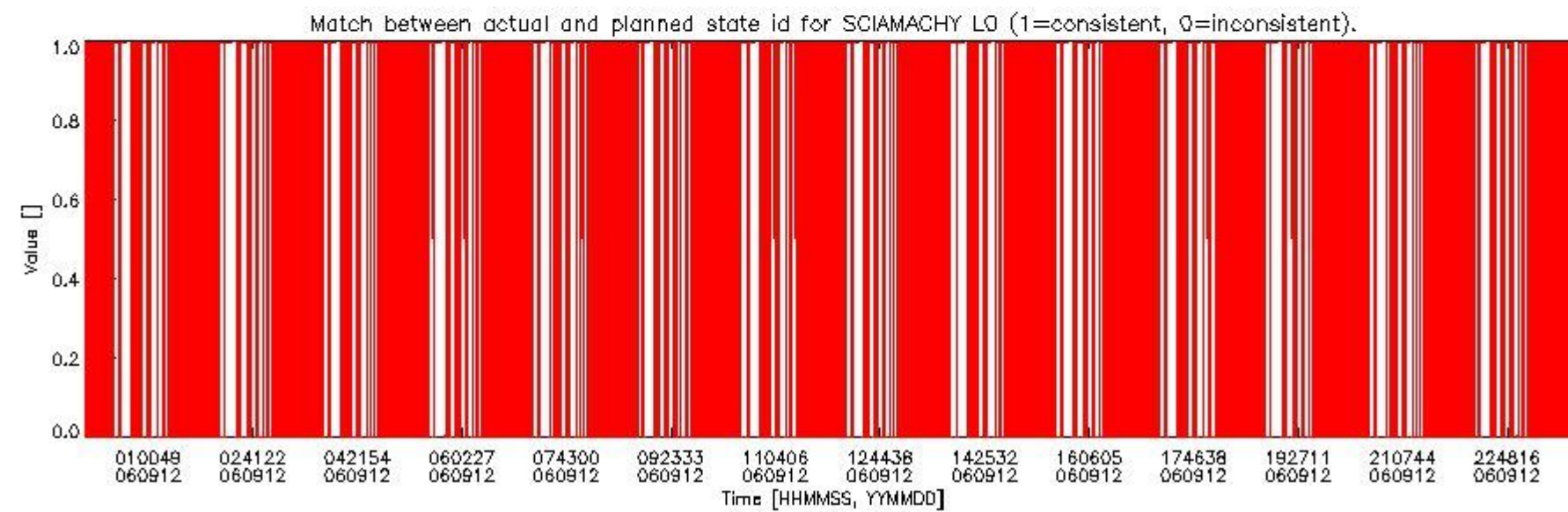
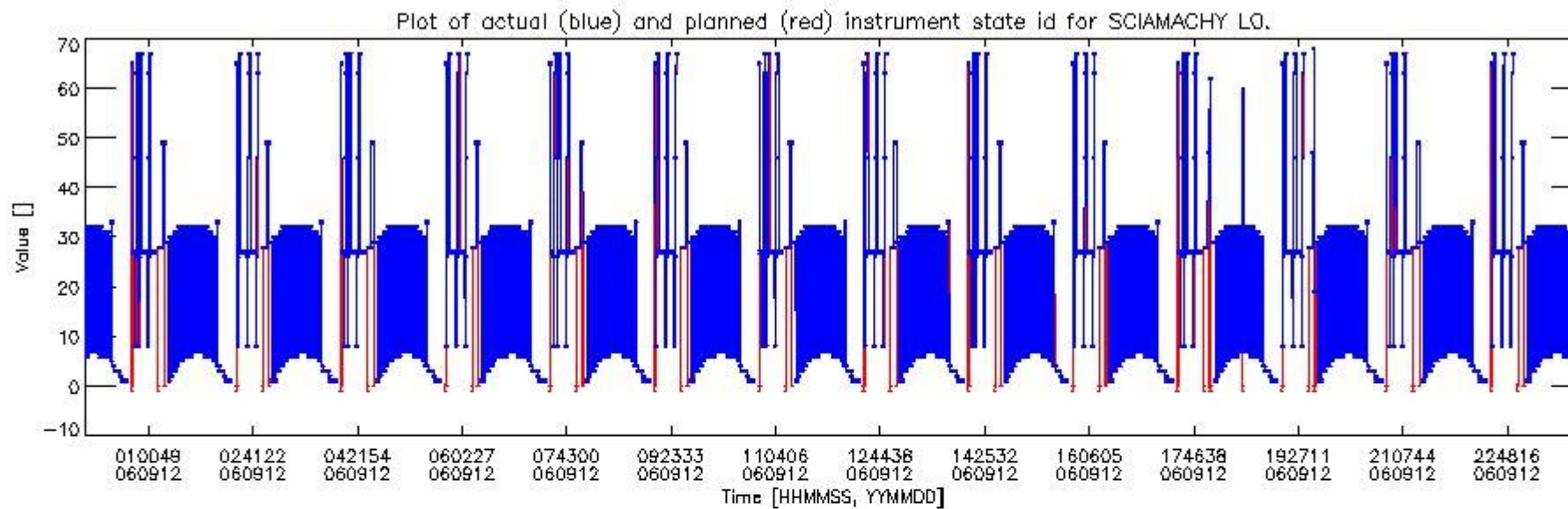


### 0.3 State monitoring

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: **20616**

#	Actual time	Actual value	Planned time	Planned value
0	12SEP2006 00:00:18.981872	32	12SEP2006 00:00:18.981872	6
1	12SEP2006 00:00:19.606854	32	12SEP2006 00:00:19.606854	6
2	12SEP2006 00:00:19.981867	32	12SEP2006 00:00:19.981867	6
3	12SEP2006 00:00:20.356840	32	12SEP2006 00:00:20.356840	6
4	12SEP2006 00:00:20.919339	32	12SEP2006 00:00:20.919339	6
5	12SEP2006 00:00:21.294352	32	12SEP2006 00:00:21.294352	6
6	12SEP2006 00:00:21.669365	32	12SEP2006 00:00:21.669365	6
7	12SEP2006 00:00:22.044338	32	12SEP2006 00:00:22.044338	6
8	12SEP2006 00:00:22.606838	32	12SEP2006 00:00:22.606838	6
9	12SEP2006 00:00:22.981851	32	12SEP2006 00:00:22.981851	6
10	12SEP2006 00:00:23.356864	32	12SEP2006 00:00:23.356864	6
11	12SEP2006 00:00:23.731877	32	12SEP2006 00:00:23.731877	6
12	12SEP2006 00:01:14.849041	6	12SEP2006 00:01:14.849041	32
13	12SEP2006 00:01:15.224054	6	12SEP2006 00:01:15.224054	32
14	12SEP2006 00:01:15.474022	6	12SEP2006 00:01:15.474022	32
15	12SEP2006 00:01:15.724031	6	12SEP2006 00:01:15.724031	32
16	12SEP2006 00:01:15.974040	6	12SEP2006 00:01:15.974040	32
17	12SEP2006 00:01:16.224048	6	12SEP2006 00:01:16.224048	32
18	12SEP2006 00:01:16.474057	6	12SEP2006 00:01:16.474057	32
19	12SEP2006 00:01:16.724026	6	12SEP2006 00:01:16.724026	32
	...	...	...	...

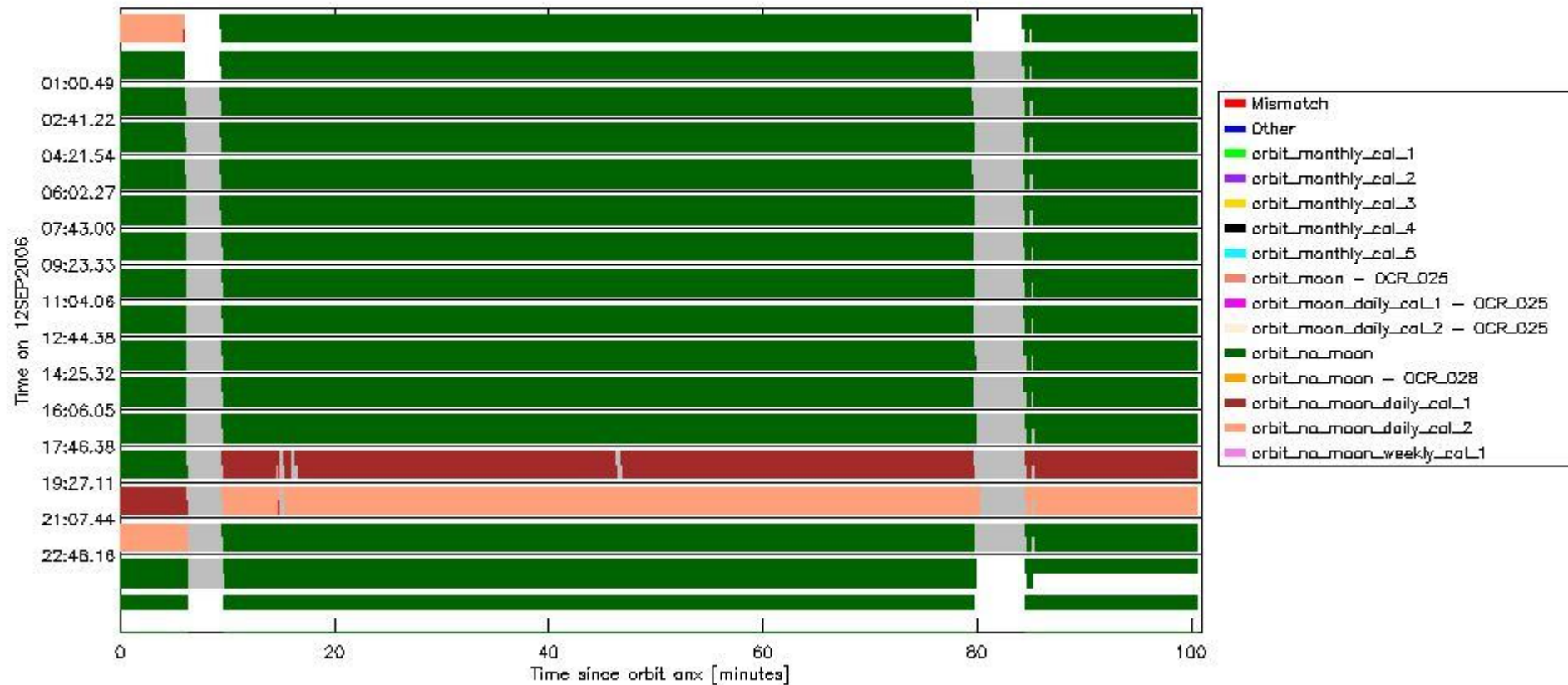


sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060912\_5.PNG

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 12SEP2006.  
 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\_PFHS\_5\_37\_N\_20060912\_6.PNG

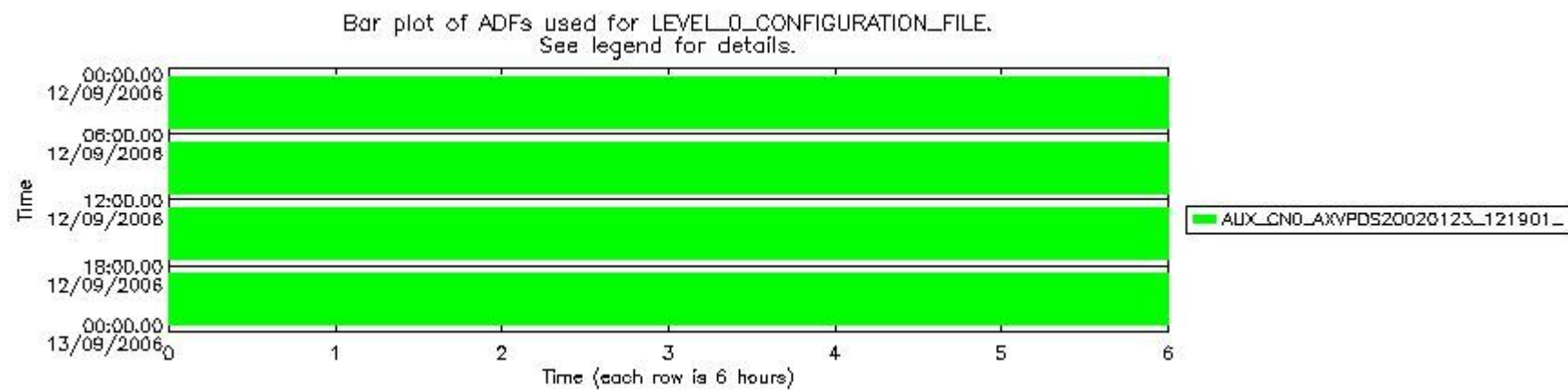
## 0.4 ADF monitoring

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

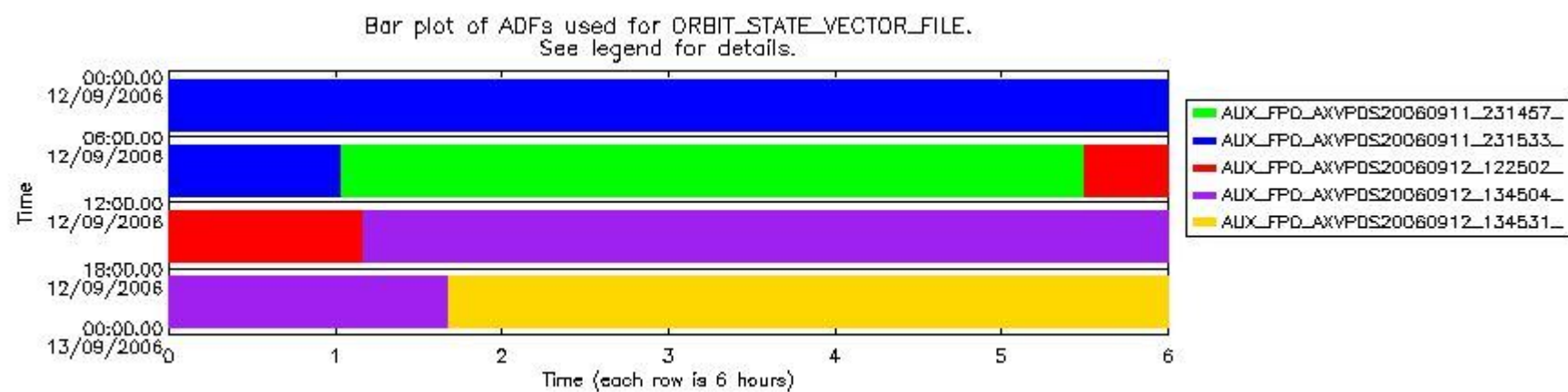
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

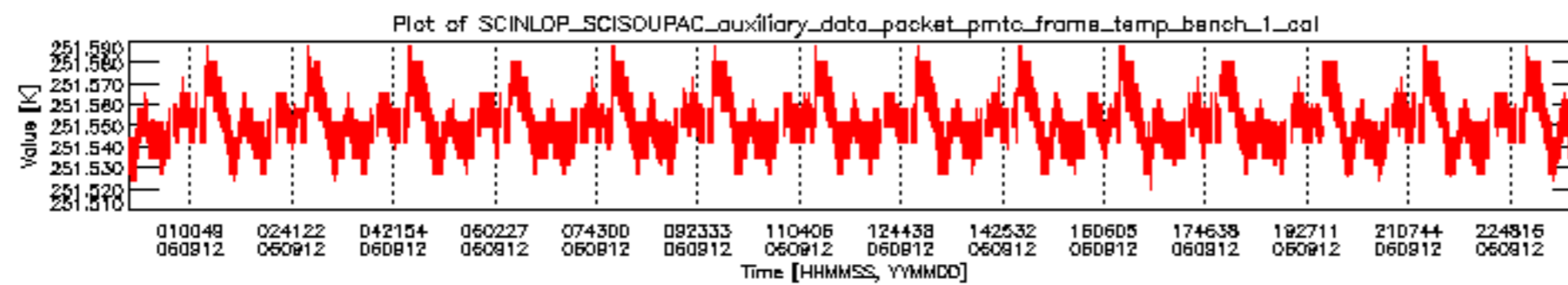
Number	ADF
	<b>CNO (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CNO_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20060911_231457_20060911_195851_20060921_212504
2	AUX_FPO_AXVPDS20060911_231533_20060911_195851_20060921_212504
3	AUX_FPO_AXVPDS20060912_122502_20060911_195851_20060921_212504
4	AUX_FPO_AXVPDS20060912_134504_20060912_110414_20060922_123027
5	AUX_FPO_AXVPDS20060912_134531_20060912_110414_20060922_123027



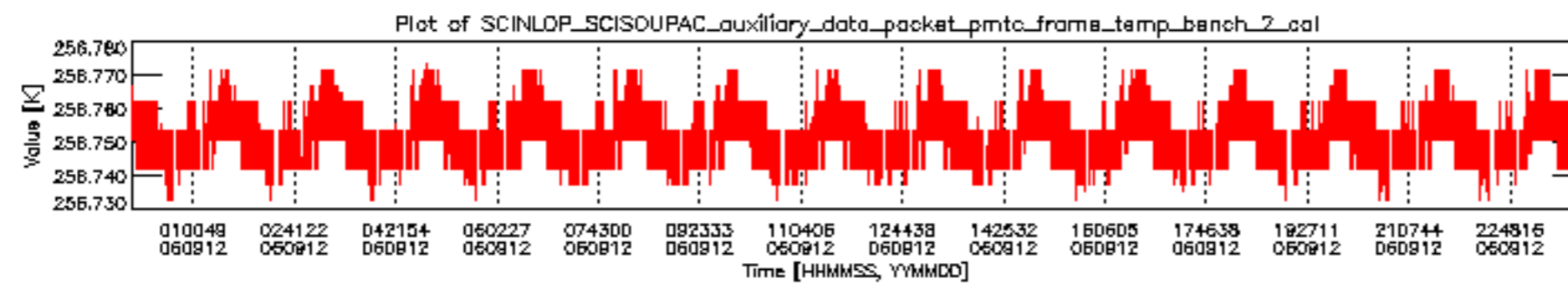
sciamachy\_daily\_report\_level0\_PPHS\_5\_37\_N\_20060912\_7.PNG

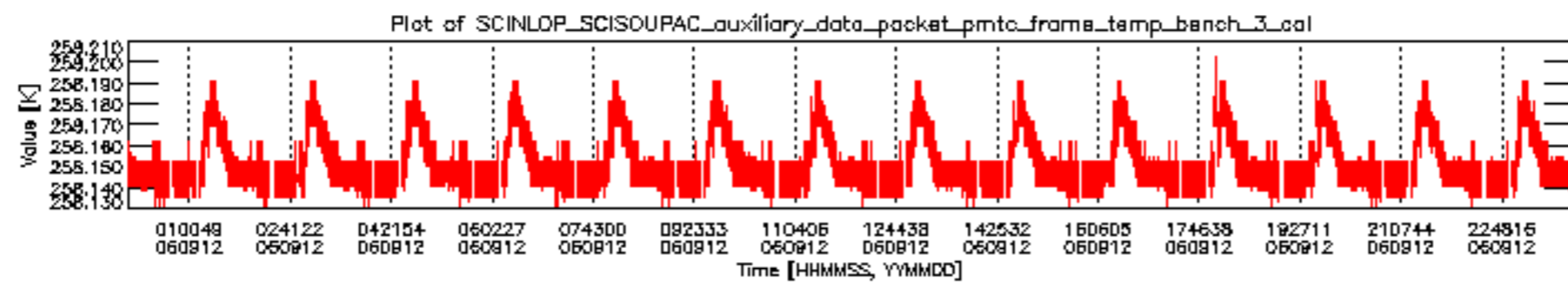


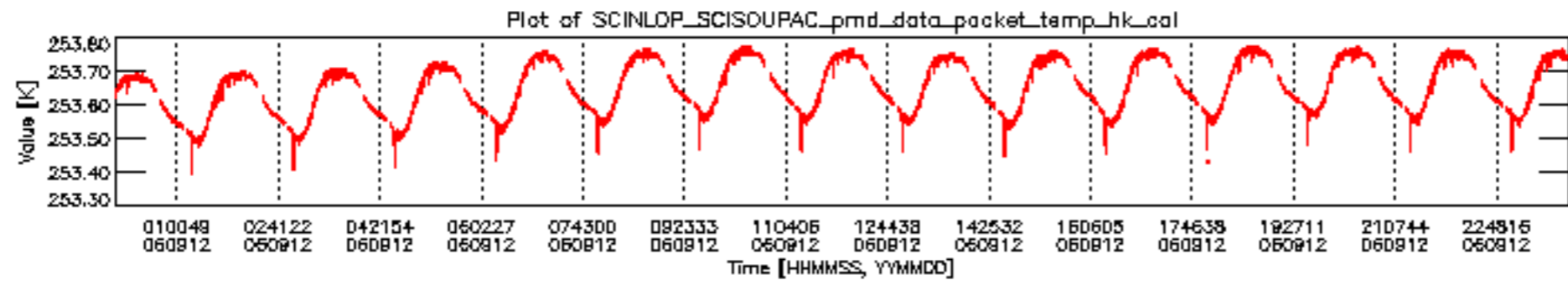
sciamachy\_daily\_report\_level0\_PPHS\_5\_37\_N\_20060912\_8.PNG

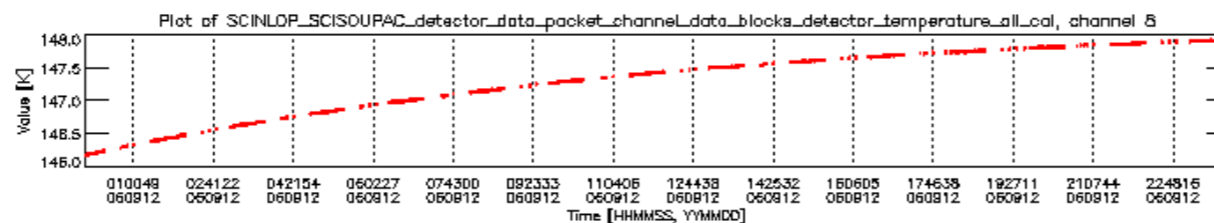
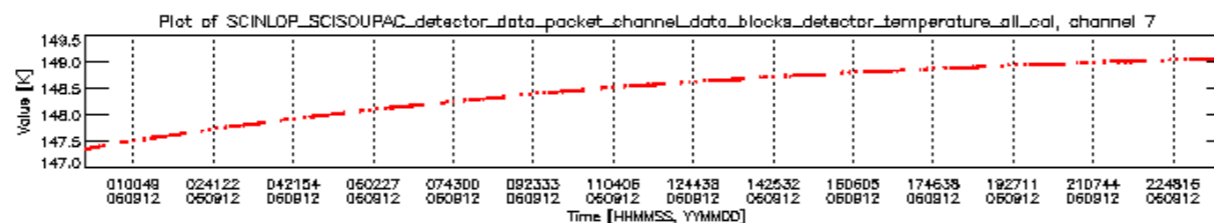
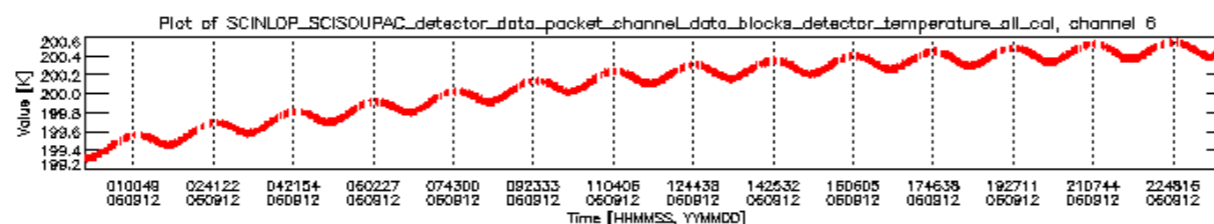
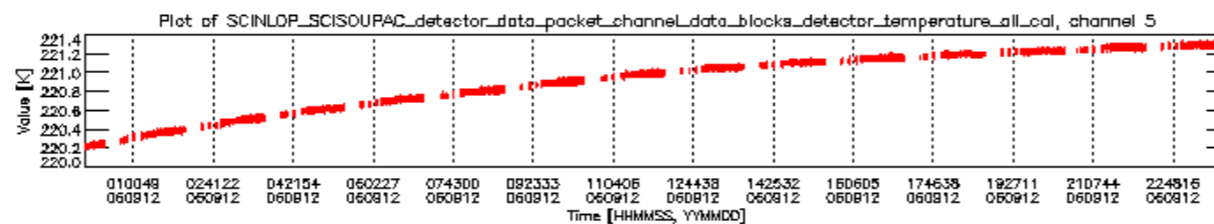
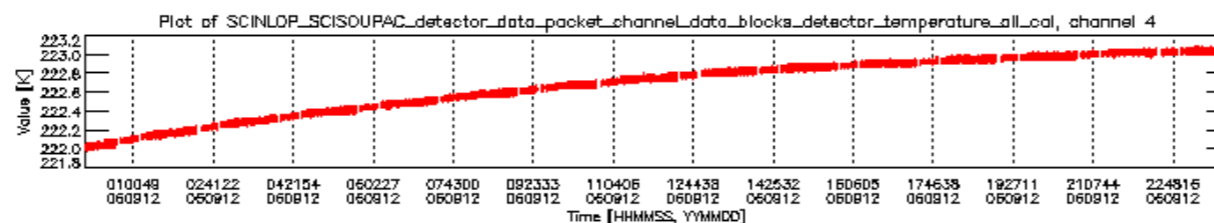
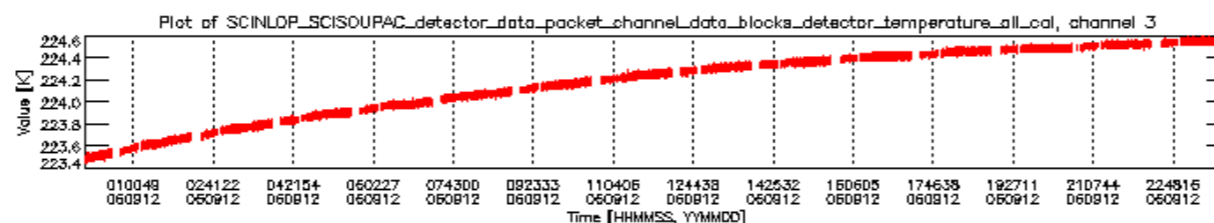
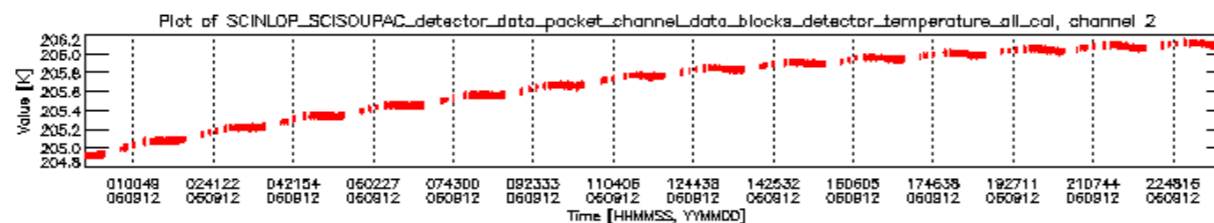
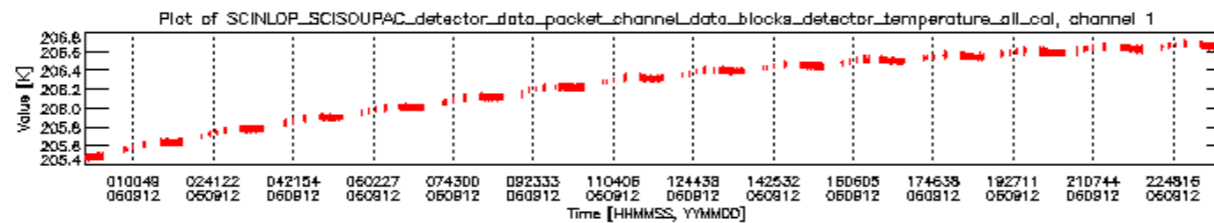


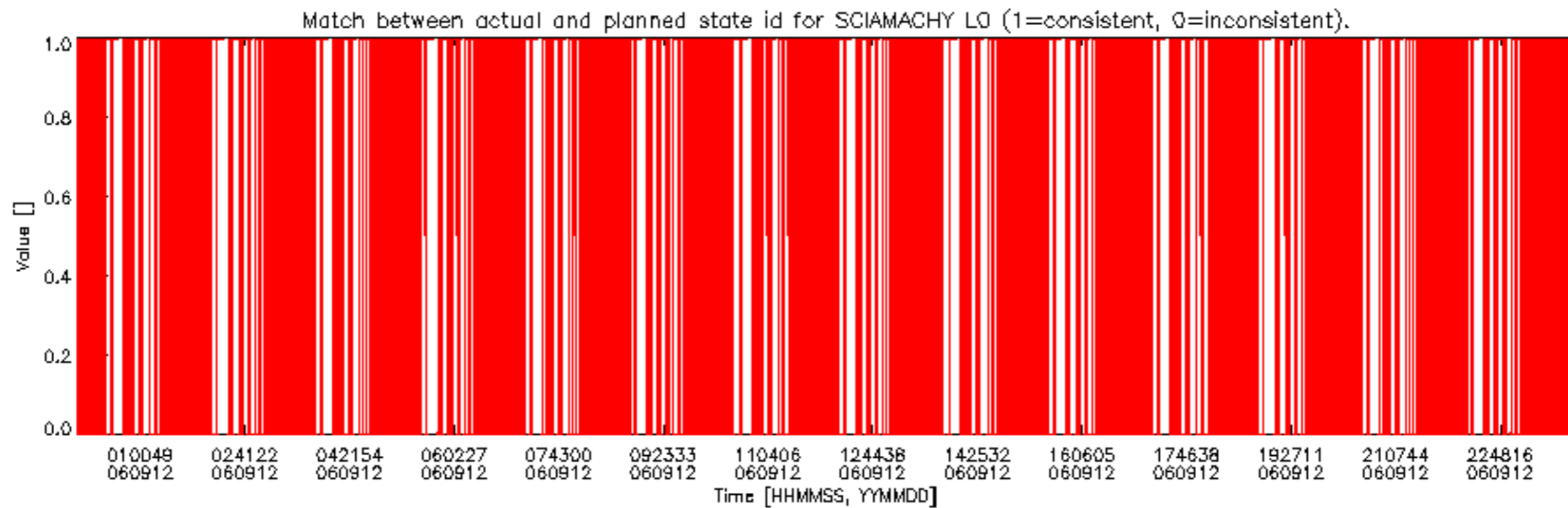
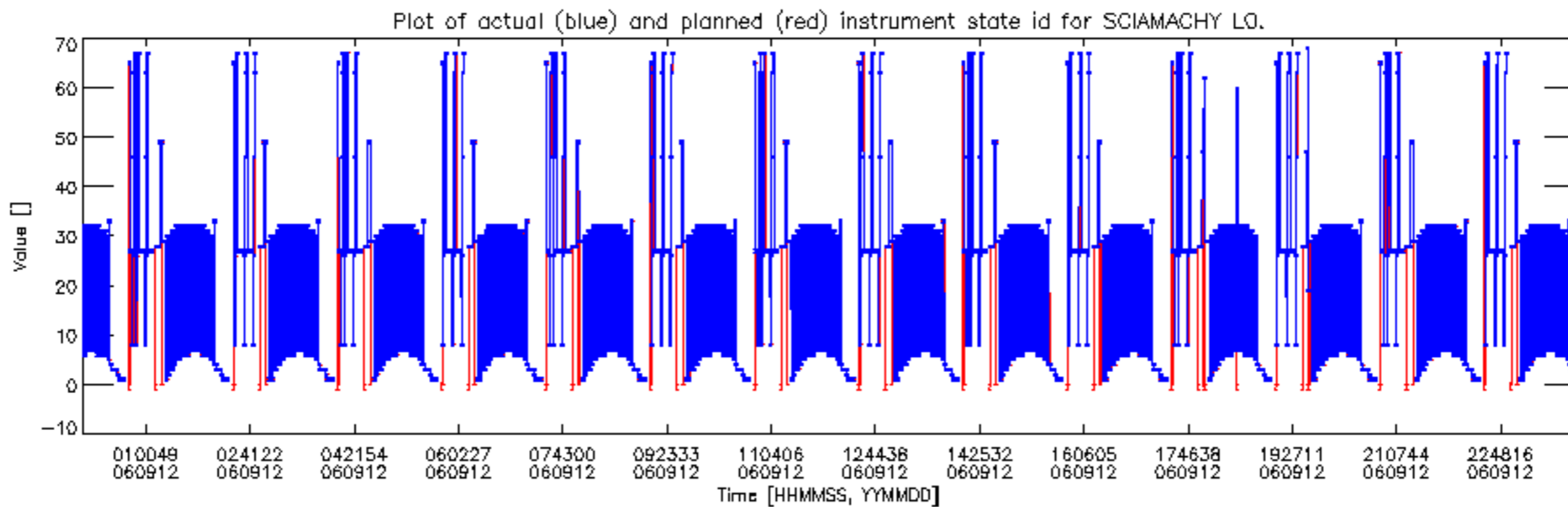












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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