

# 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	24FEB2009 19:13:05
Data source version	KSPT_L0/4303-N
Processing scope for products	08FEB2009 00:00:00 to 09FEB2009 00:00:00
Start time of first product within scope	08FEB2009 01:34:30
Stop time of last product within scope	09FEB2009 00:57:27
Total number of level 0 products	13
Number of level 0 products with errors	1

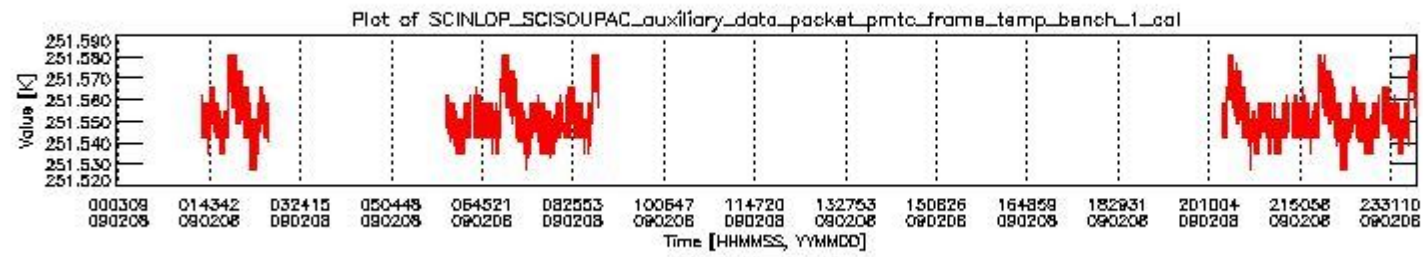
#### 0.1.2 Summary per product

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

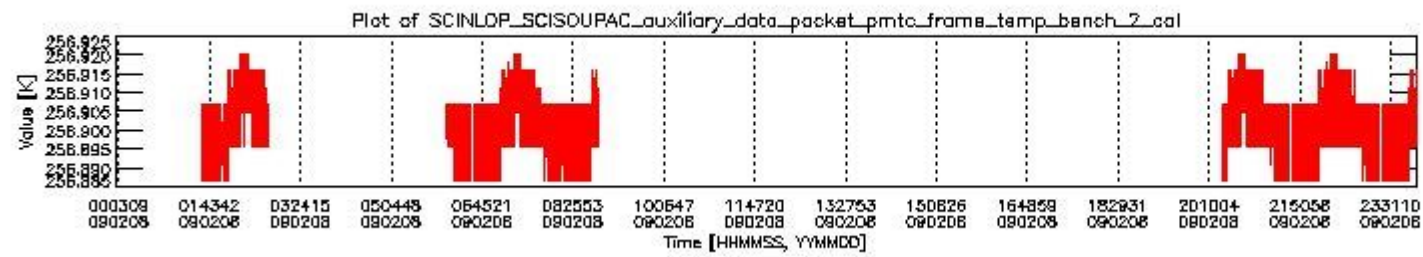
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090208_013430_000043972076_00174_36300_8448.N1	08FEB2009 01:34:30	08FEB2009 02:47:47	0	0	0	0	0
1	SCI_NL__OPNPDK20090208_060449_000041692076_00177_36303_4772.N1	08FEB2009 06:04:49	08FEB2009 07:14:18	0	0	0	0	0
2	SCI_NL__OPNPDK20090208_071322_000059672076_00178_36304_4773.N1	08FEB2009 07:13:22	08FEB2009 08:52:49	0	0	0	0	0
3	SCI_NL__OPNPDK20090208_085153_000060912076_00179_36305_0658.N1	08FEB2009 08:51:53	08FEB2009 10:33:25	1	1	1	0	0
4	SCI_NL__OPNPDK20090208_103120_000062282076_00180_36306_0659.N1	08FEB2009 10:31:20	08FEB2009 12:15:09	0	0	0	0	0
5	SCI_NL__OPNPDK20090208_121304_000059672076_00181_36307_0660.N1	08FEB2009 12:13:04	08FEB2009 13:52:31	0	0	0	0	0
6	SCI_NL__OPNPDK20090208_135039_000059802076_00182_36308_0661.N1	08FEB2009 13:50:39	08FEB2009 15:30:19	0	0	0	0	0
7	SCI_NL__OPNPDK20090208_152705_000059792076_00183_36309_0662.N1	08FEB2009 15:27:05	08FEB2009 17:06:44	0	0	0	0	0
8	SCI_NL__OPNPDK20090208_170548_000061482076_00184_36310_0663.N1	08FEB2009 17:05:48	08FEB2009 18:48:16	0	0	0	0	0
9	SCI_NL__OPNPDK20090208_184624_000057212076_00185_36311_0664.N1	08FEB2009 18:46:24	08FEB2009 20:21:45	0	0	0	0	0
10	SCI_NL__OPNPDE20090208_202507_000042912076_00186_36312_8449.N1	08FEB2009 20:25:07	08FEB2009 21:36:39	0	0	0	0	0
11	SCI_NL__OPNPDE20090208_214136_000057272076_00186_36312_8450.N1	08FEB2009 21:41:36	08FEB2009 23:17:03	0	0	0	0	0
12	SCI_NL__OPNPDE20090208_232211_000057162076_00187_36313_8451.N1	08FEB2009 23:22:11	09FEB2009 00:57:27	0	0	0	0	0

### 0.2 Product Quality Indicators

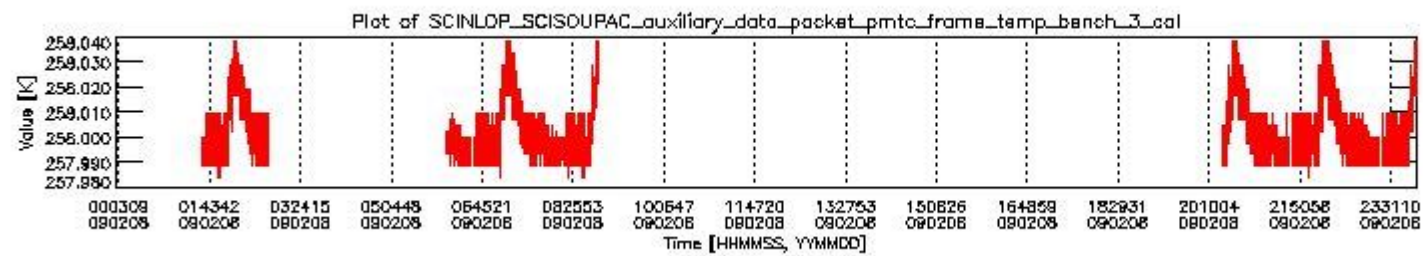
This section shows information about product quality, currently temperatures.



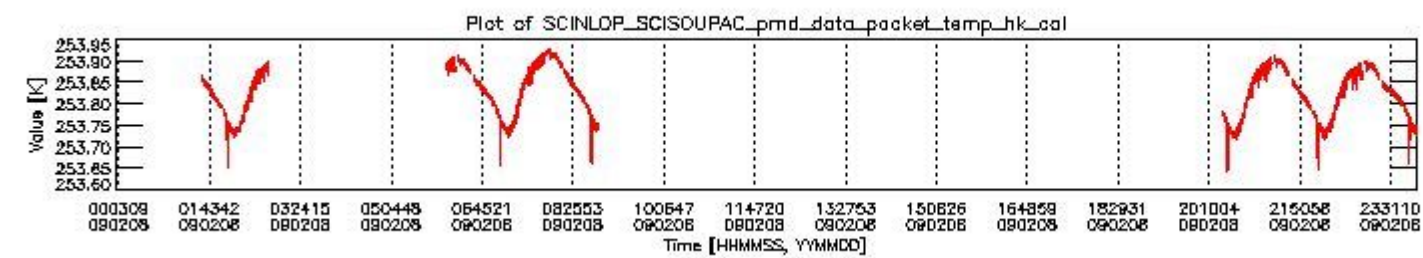
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090208\_0.PNG



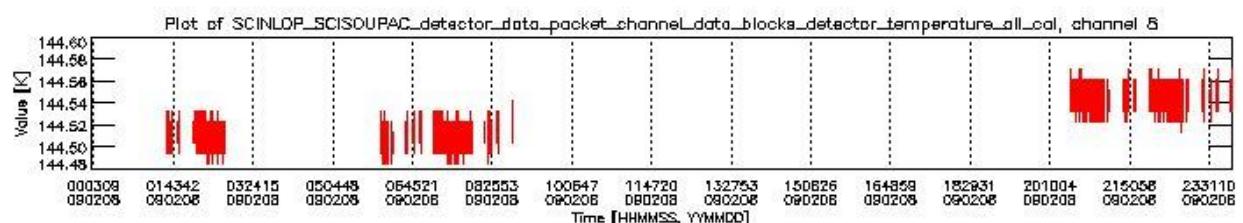
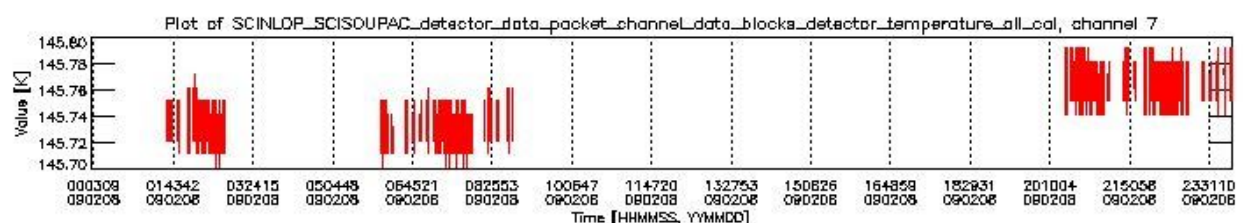
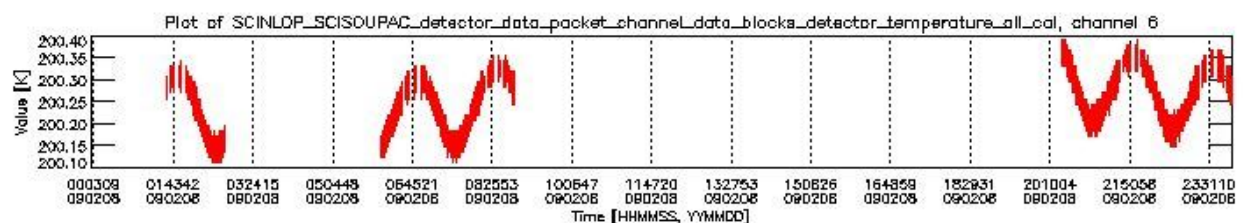
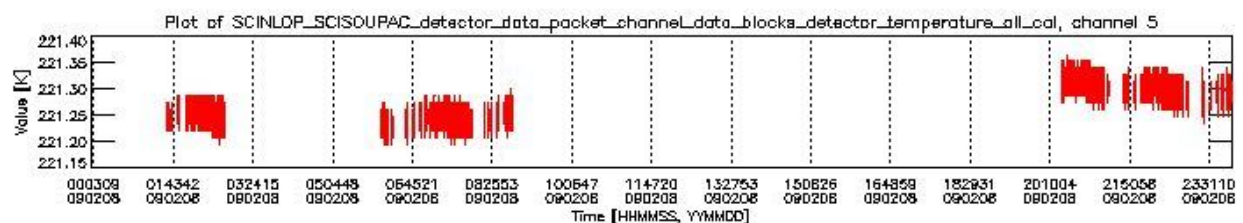
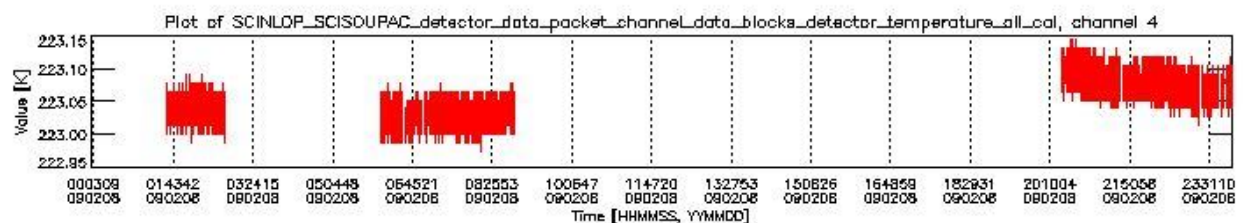
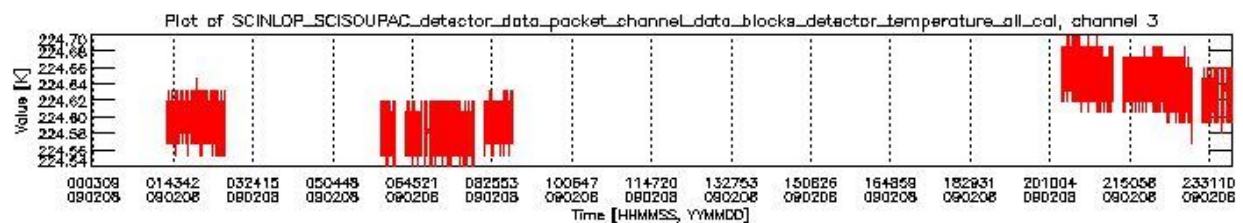
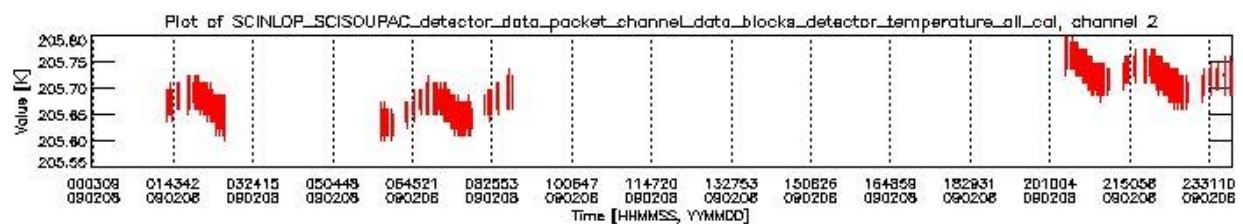
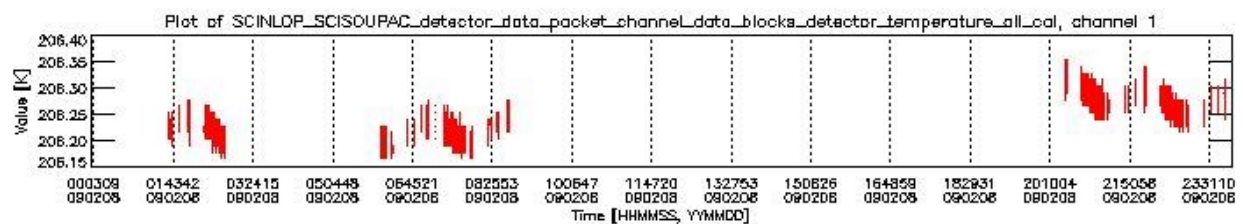
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090208\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090208\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090208\_3.PNG

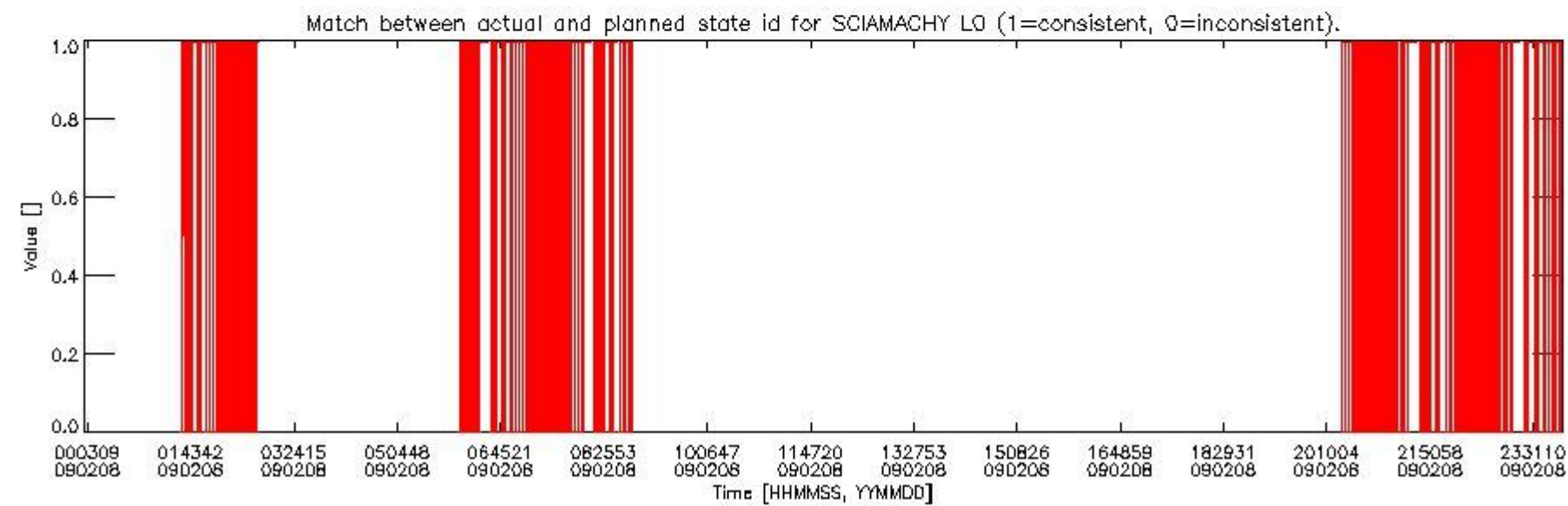
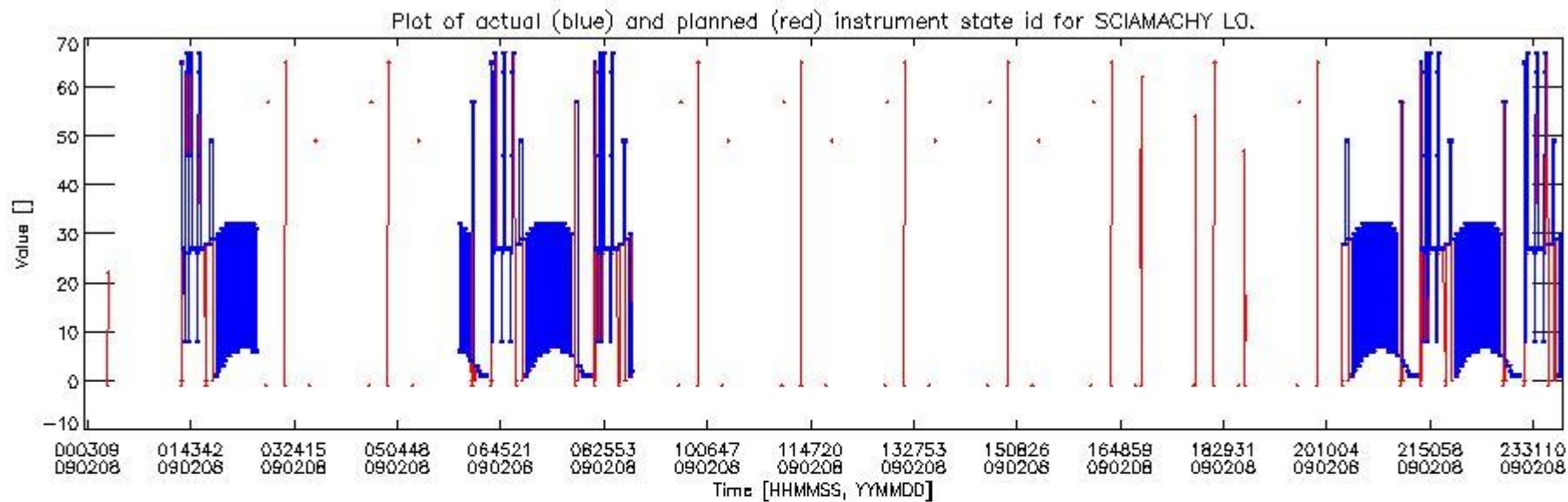


### 0.3 State monitoring

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: **19475**

#	Actual time	Actual value	Planned time	Planned value
0	08FEB2009 01:34:30.483747	65	08FEB2009 01:34:30.483747	0
1	08FEB2009 01:34:31.108729	65	08FEB2009 01:34:31.108729	0
2	08FEB2009 01:34:31.608746	65	08FEB2009 01:34:31.608746	0
3	08FEB2009 01:34:32.108723	65	08FEB2009 01:34:32.108723	0
4	08FEB2009 01:34:32.608741	65	08FEB2009 01:34:32.608741	0
5	08FEB2009 01:34:33.108758	65	08FEB2009 01:34:33.108758	0
6	08FEB2009 01:34:33.608735	65	08FEB2009 01:34:33.608735	0
7	08FEB2009 01:34:34.108753	65	08FEB2009 01:34:34.108753	0
8	08FEB2009 01:34:34.608730	65	08FEB2009 01:34:34.608730	0
9	08FEB2009 01:34:35.108747	65	08FEB2009 01:34:35.108747	0
10	08FEB2009 01:34:35.483760	65	08FEB2009 01:34:35.483760	0
11	08FEB2009 01:34:35.608724	65	08FEB2009 01:34:35.608724	0
12	08FEB2009 01:34:36.108742	65	08FEB2009 01:34:36.108742	0
13	08FEB2009 01:34:36.608759	65	08FEB2009 01:34:36.608759	0
14	08FEB2009 01:34:37.108736	65	08FEB2009 01:34:37.108736	0
15	08FEB2009 01:34:37.608754	65	08FEB2009 01:34:37.608754	0
16	08FEB2009 01:34:38.108731	65	08FEB2009 01:34:38.108731	0
17	08FEB2009 01:34:38.608748	65	08FEB2009 01:34:38.608748	0
18	08FEB2009 01:34:39.108725	65	08FEB2009 01:34:39.108725	0
19	08FEB2009 01:34:39.608743	65	08FEB2009 01:34:39.608743	0
	...	...	...	...

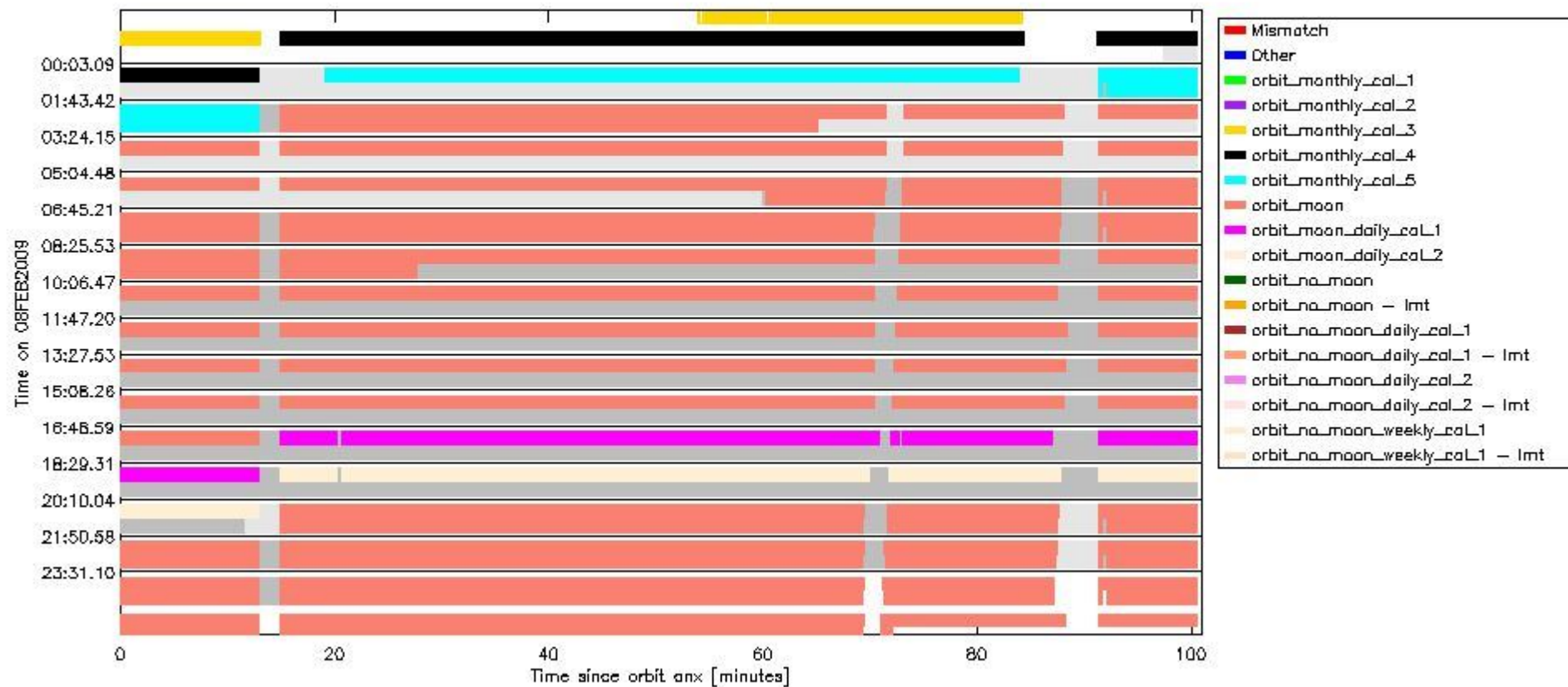


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090208\_5.PNG

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 08FEB2009.  
 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\_20090208\_6.PNG

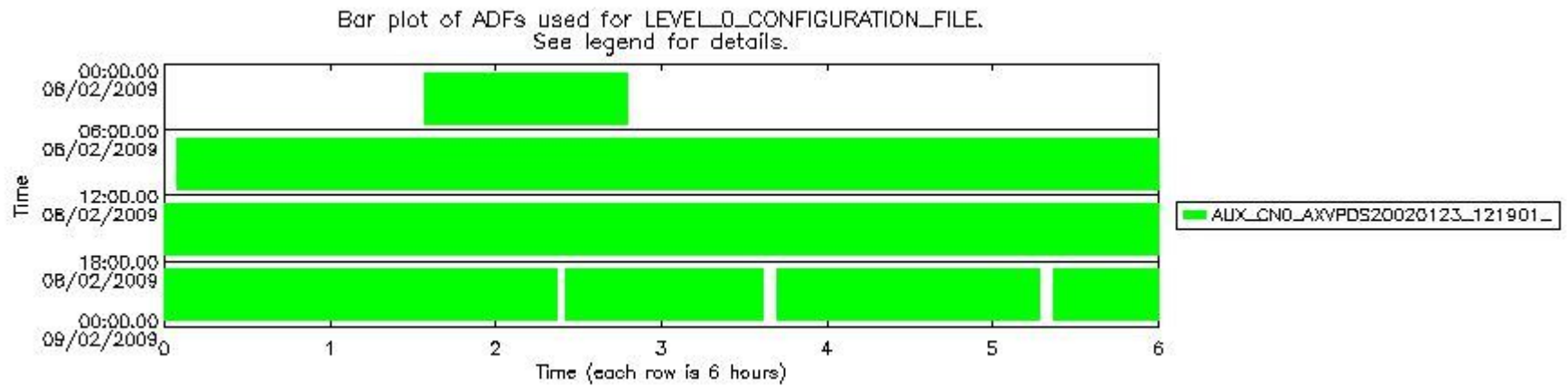
## 0.4 ADF monitoring

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

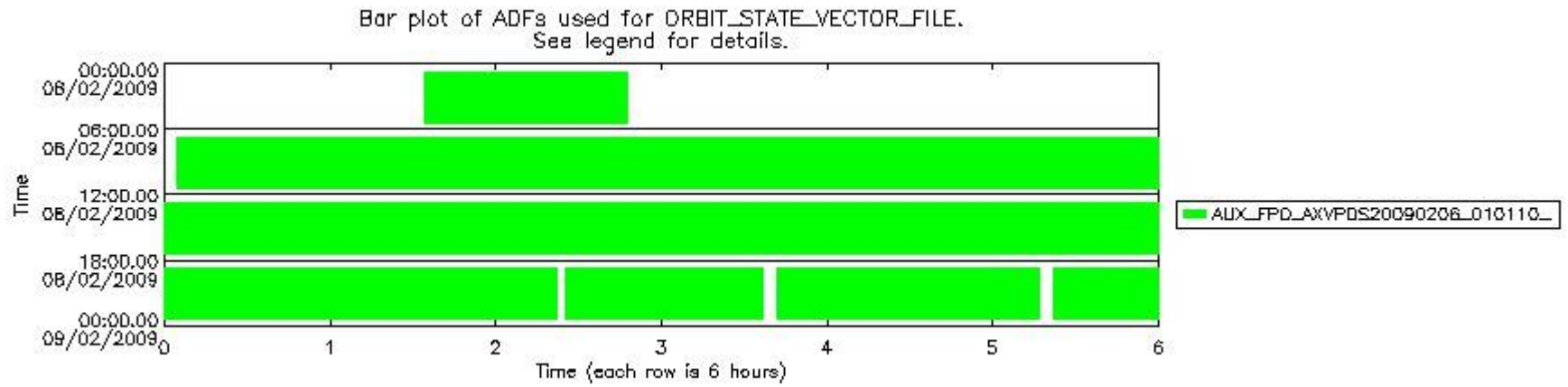
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

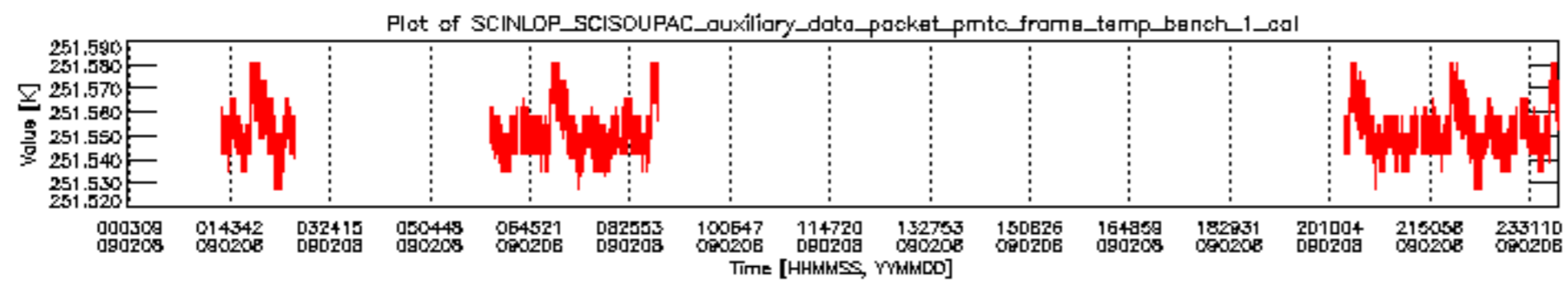
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20090206_010110_20090205_182353_20090215_213043



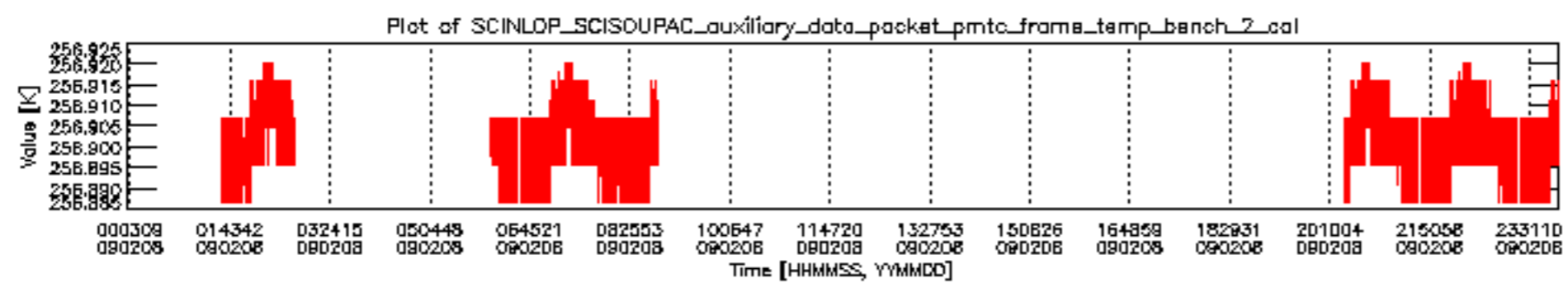
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090208\_7.PNG

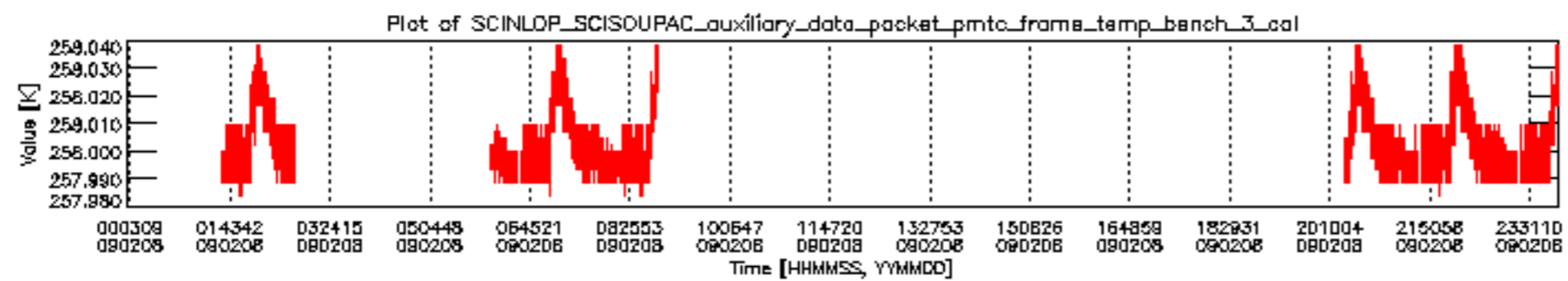


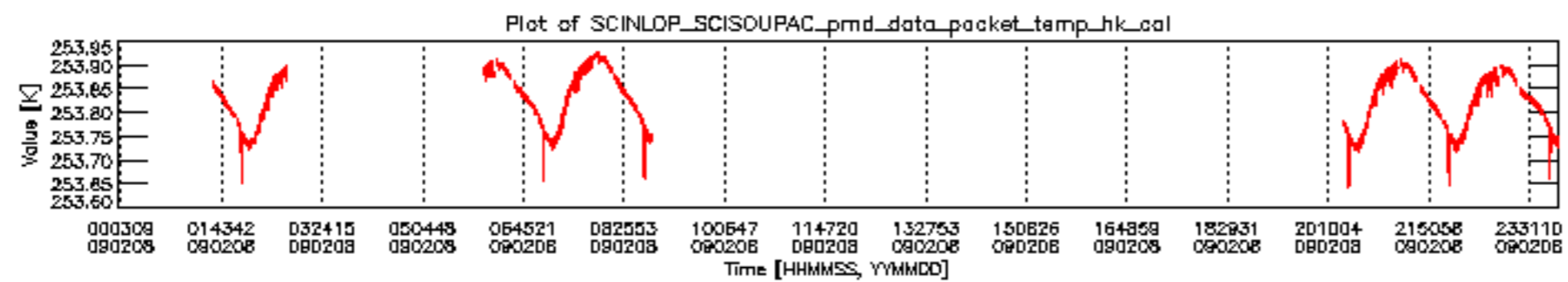
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090208\_8.PNG

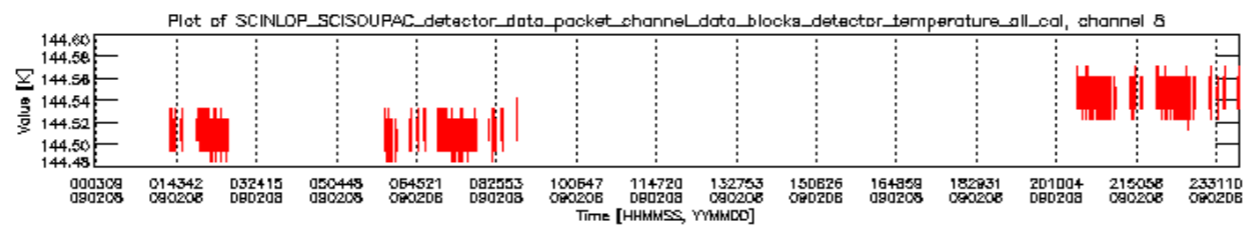
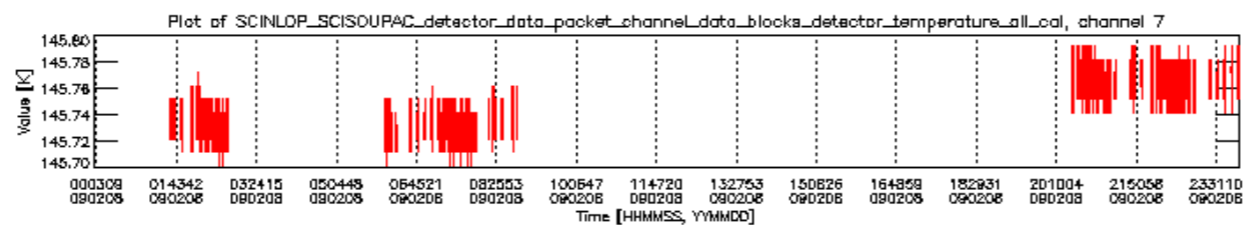
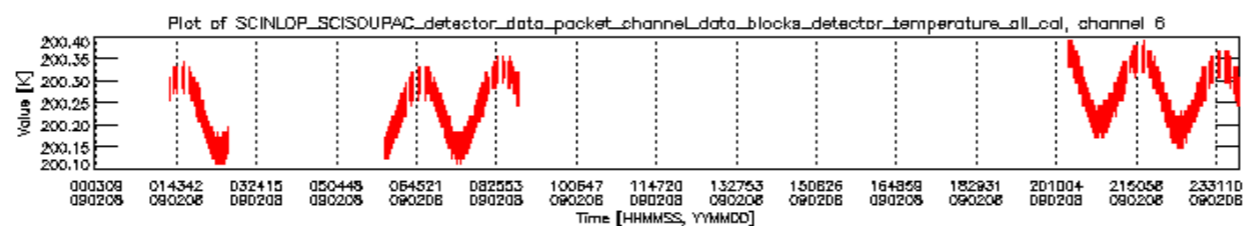
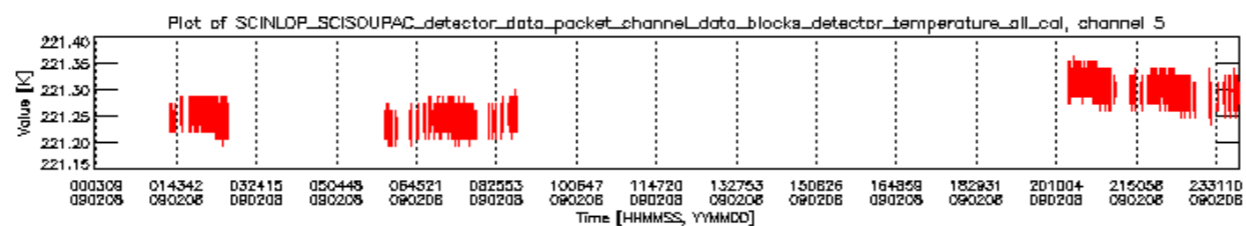
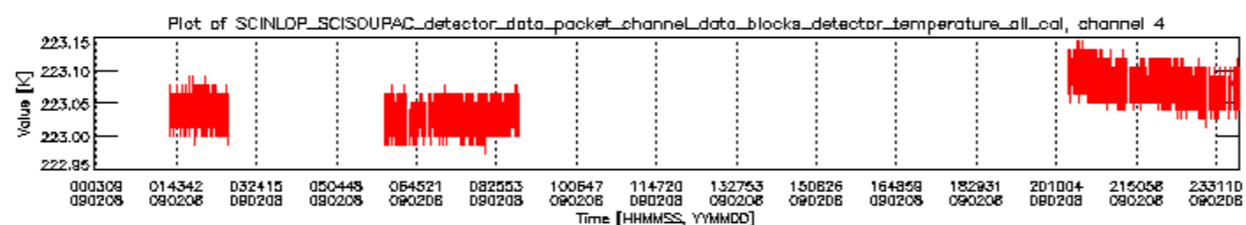
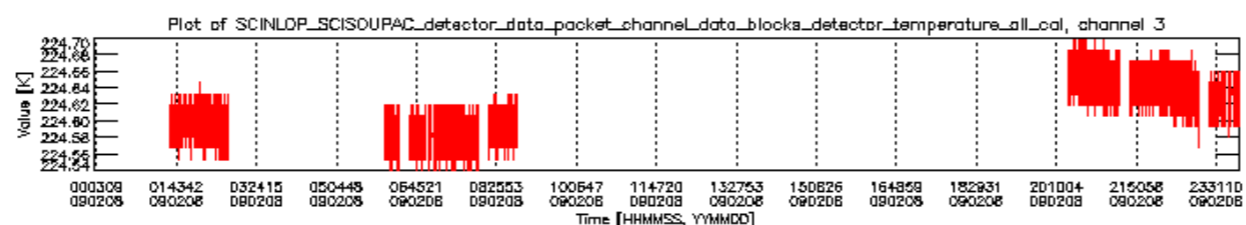
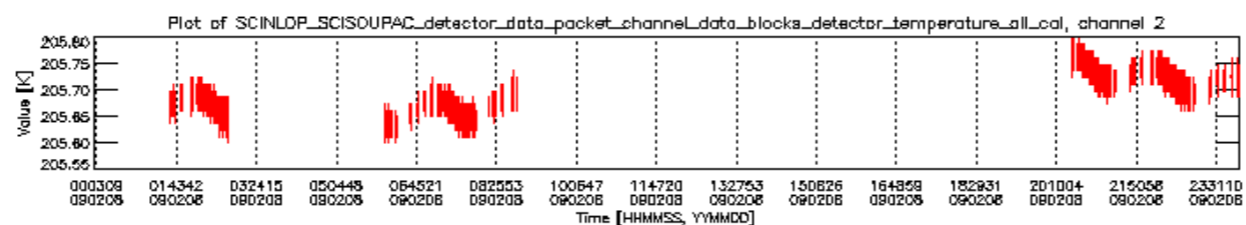
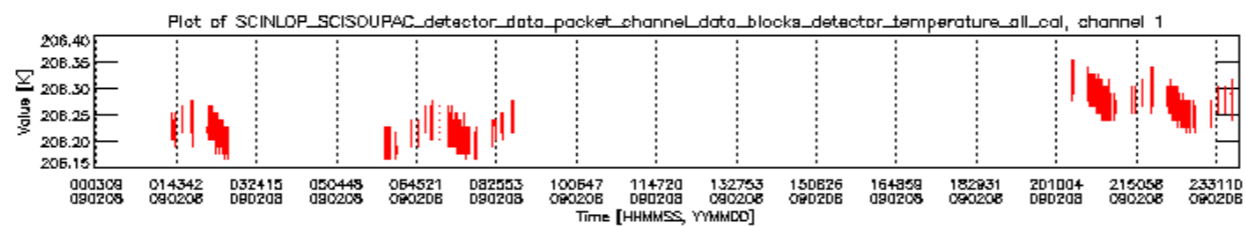


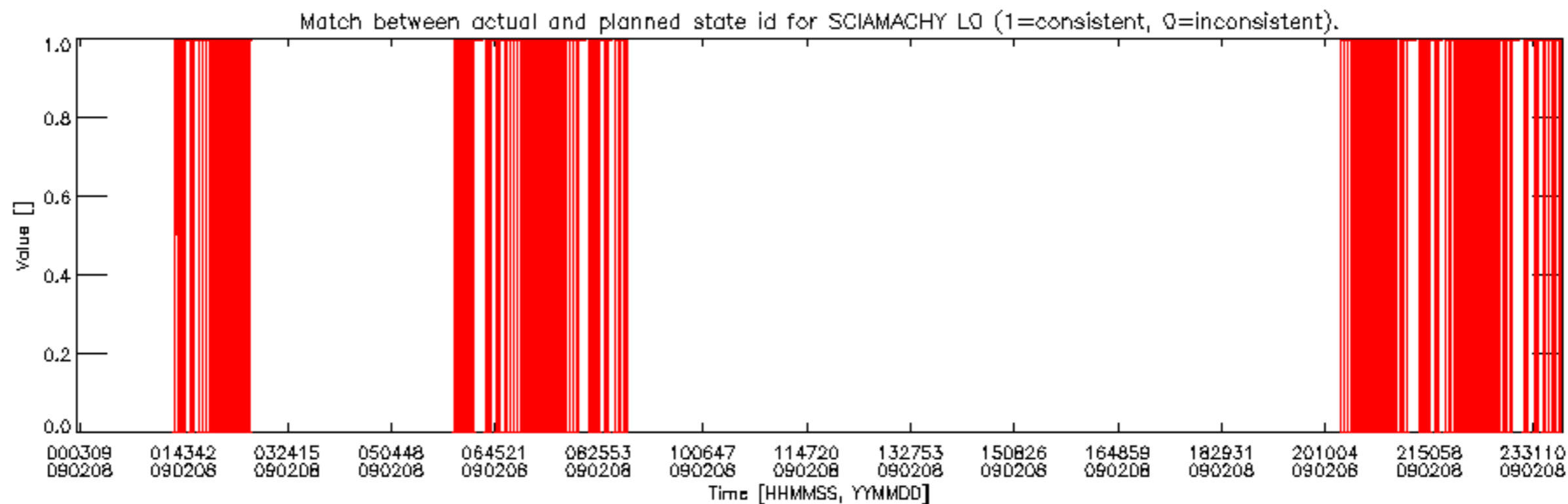
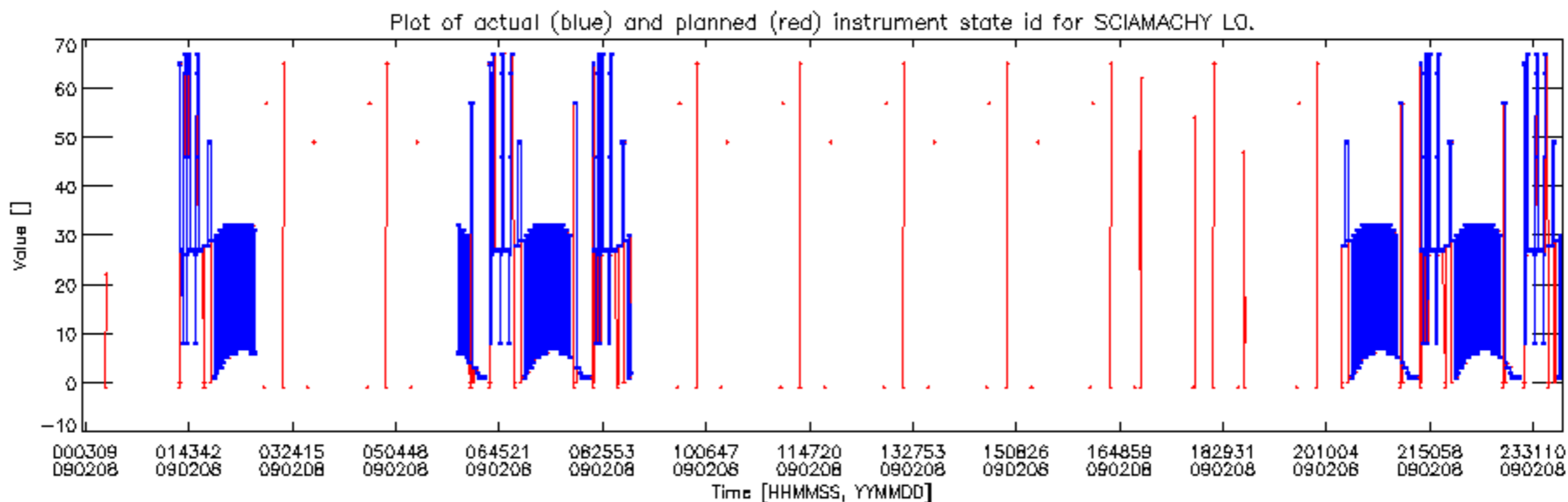












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