

## 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	22MAR2008 05:15:39
Data source version	KSPT_L0/4303-N
Processing scope for products	18MAR2008 00:00:00 to 19MAR2008 00:00:00
Start time of first product within scope	17MAR2008 22:18:05
Stop time of last product within scope	19MAR2008 01:16:46
Total number of level 0 products	16
Number of level 0 products with errors	6

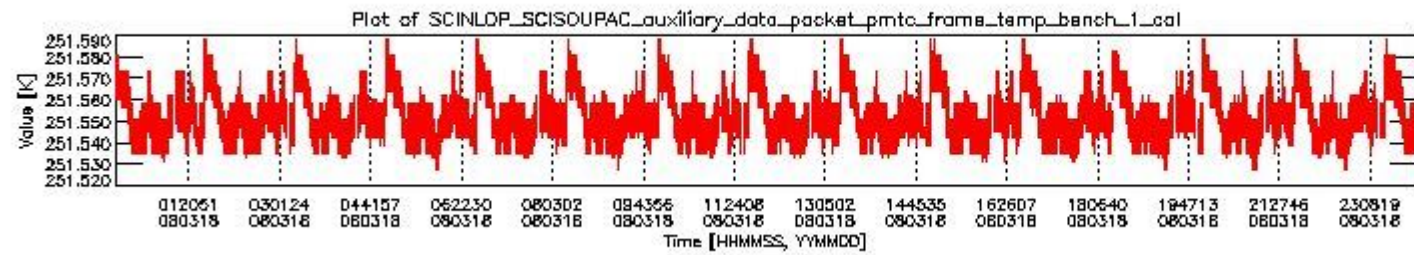
### 0.1.2 Summary per product

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

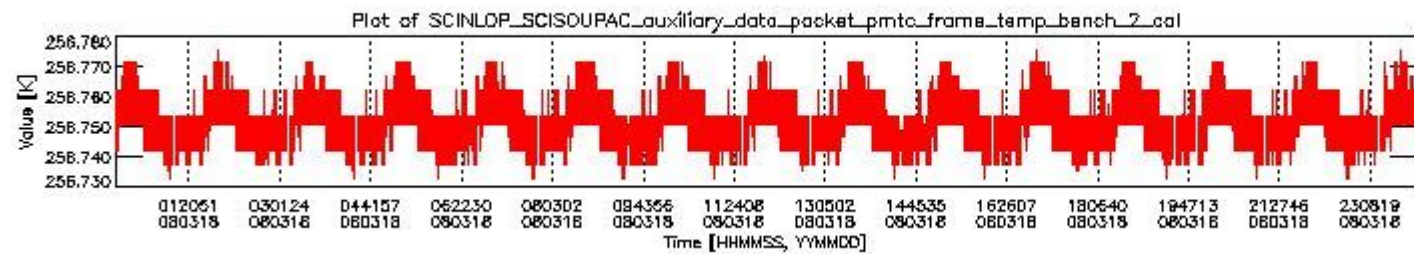
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080317_221805_000065892067_00001_31618_6275.N1	17MAR2008 22:18:05	18MAR2008 00:07:54	1	0	1	0	0
1	SCI_NL__OPNPDE20080318_000236_000063532067_00002_31619_6273.N1	18MAR2008 00:02:36	18MAR2008 01:48:29	1	0	1	0	0
2	SCI_NL__OPNPDE20080318_014312_000064092067_00003_31620_6274.N1	18MAR2008 01:43:12	18MAR2008 03:30:01	1	0	1	0	0
3	SCI_NL__OPNPDE20080318_032552_000064092067_00004_31621_6272.N1	18MAR2008 03:25:52	18MAR2008 05:12:41	1	0	1	0	0
4	SCI_NL__OPNPDK20080318_050832_000064092067_00005_31622_7685.N1	18MAR2008 05:08:32	18MAR2008 06:55:21	0	0	0	0	0
5	SCI_NL__OPNPDK20080318_065425_000059112067_00006_31623_7686.N1	18MAR2008 06:54:25	18MAR2008 08:32:56	0	0	0	0	0
6	SCI_NL__OPNPDK20080318_083256_000059672067_00007_31624_7687.N1	18MAR2008 08:32:56	18MAR2008 10:12:23	0	0	0	0	0
7	SCI_NL__OPNPDK20080318_101127_000060912067_00008_31625_7688.N1	18MAR2008 10:11:27	18MAR2008 11:52:58	0	0	0	0	0
8	SCI_NL__OPNPDK20080318_115202_000059672067_00009_31626_7689.N1	18MAR2008 11:52:02	18MAR2008 13:31:29	0	0	0	0	0
9	SCI_NL__OPNPDK20080318_133033_000058422067_00010_31627_7690.N1	18MAR2008 13:30:33	18MAR2008 15:07:56	0	0	0	0	0
10	SCI_NL__OPNPDK20080318_150700_000060362067_00011_31628_7691.N1	18MAR2008 15:07:00	18MAR2008 16:47:35	0	0	0	0	0
11	SCI_NL__OPNPDK20080318_164627_000059482067_00012_31629_7692.N1	18MAR2008 16:46:27	18MAR2008 18:25:35	0	0	0	0	0
12	SCI_NL__OPNPDK20080318_182439_000060352067_00013_31630_7693.N1	18MAR2008 18:24:39	18MAR2008 20:05:14	0	0	0	0	0
13	SCI_NL__OPNPDK20080318_200338_000062192067_00014_31631_7694.N1	18MAR2008 20:03:38	18MAR2008 21:47:17	0	0	0	0	0
14	SCI_NL__OPNPDE20080318_214621_000065892067_00015_31632_6276.N1	18MAR2008 21:46:21	18MAR2008 23:36:10	1	0	1	0	0
15	SCI_NL__OPNPDE20080318_232849_000064772067_00016_31633_6277.N1	18MAR2008 23:28:49	19MAR2008 01:16:46	1	0	1	0	0

## 0.2 Product Quality Indicators

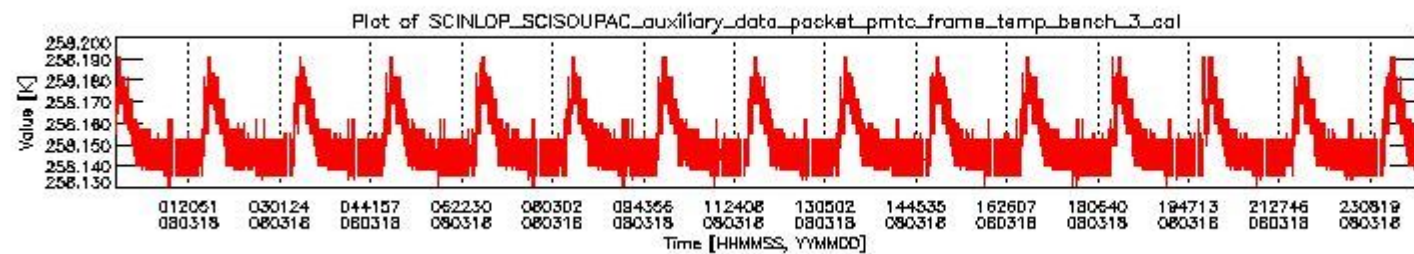
This section shows information about product quality, currently temperatures.



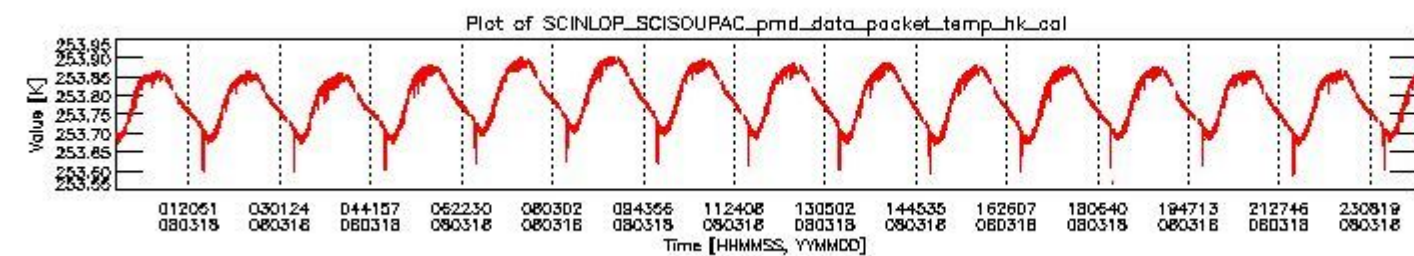
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080318\_0.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080318\_1.PNG

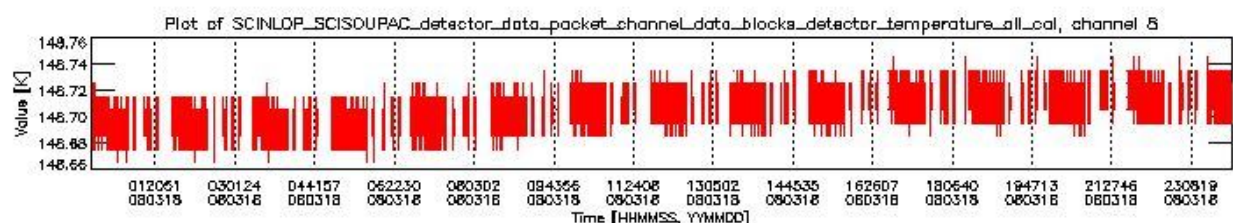
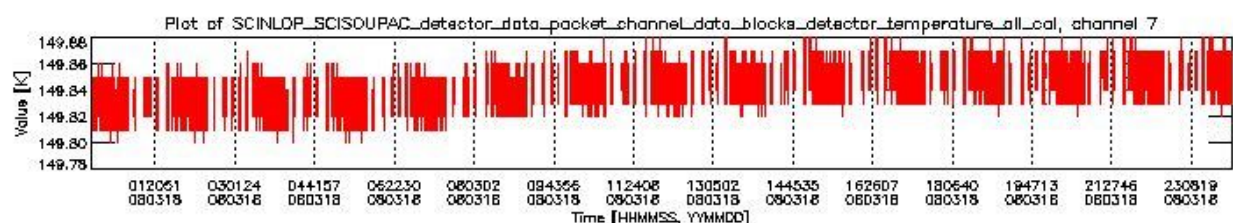
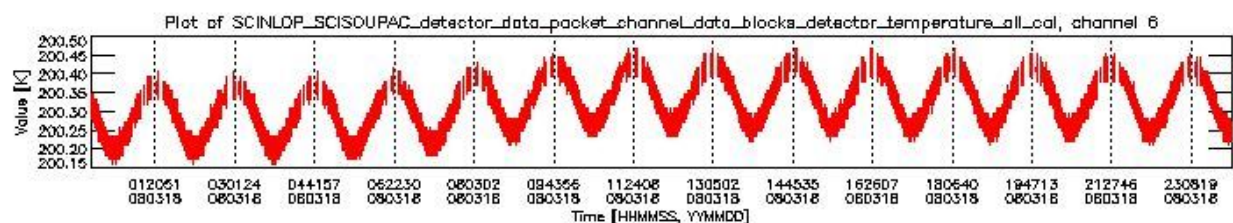
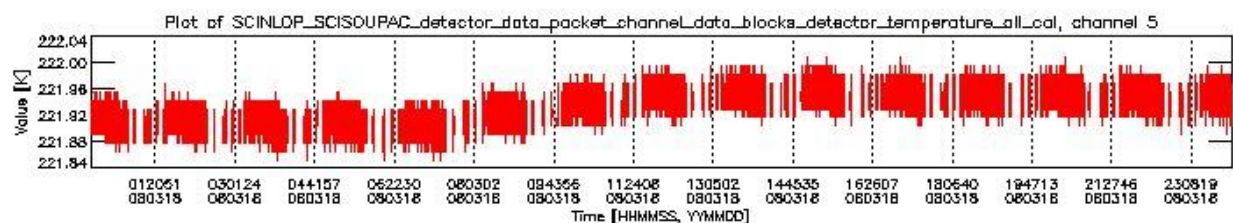
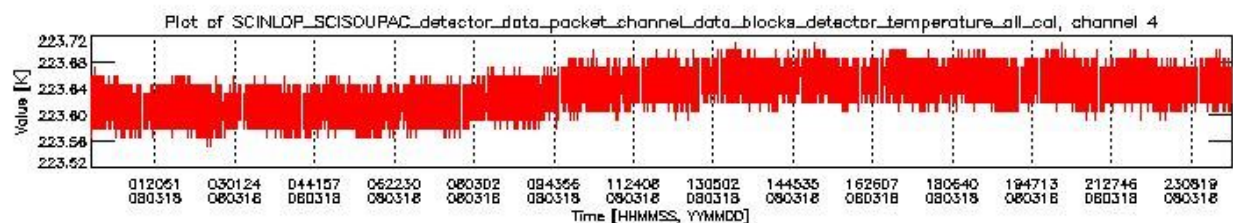
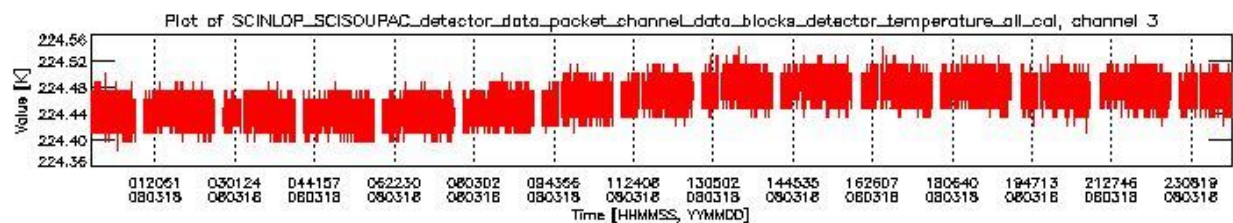
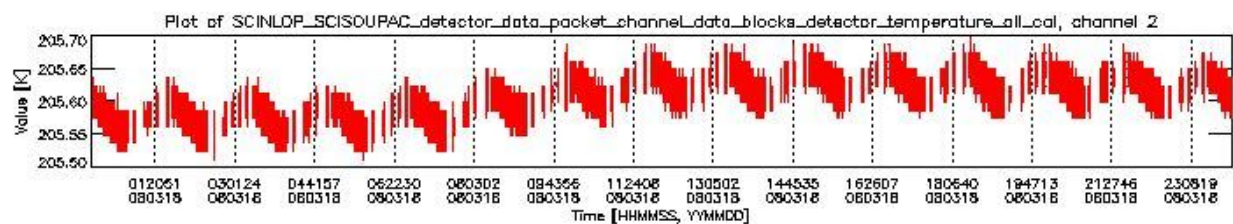
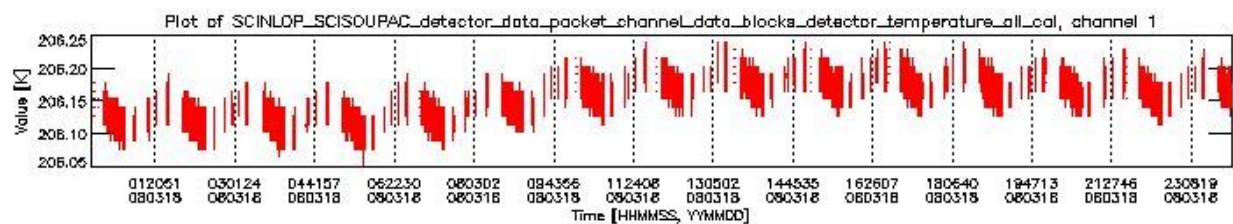


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080318\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080318\_3.PNG



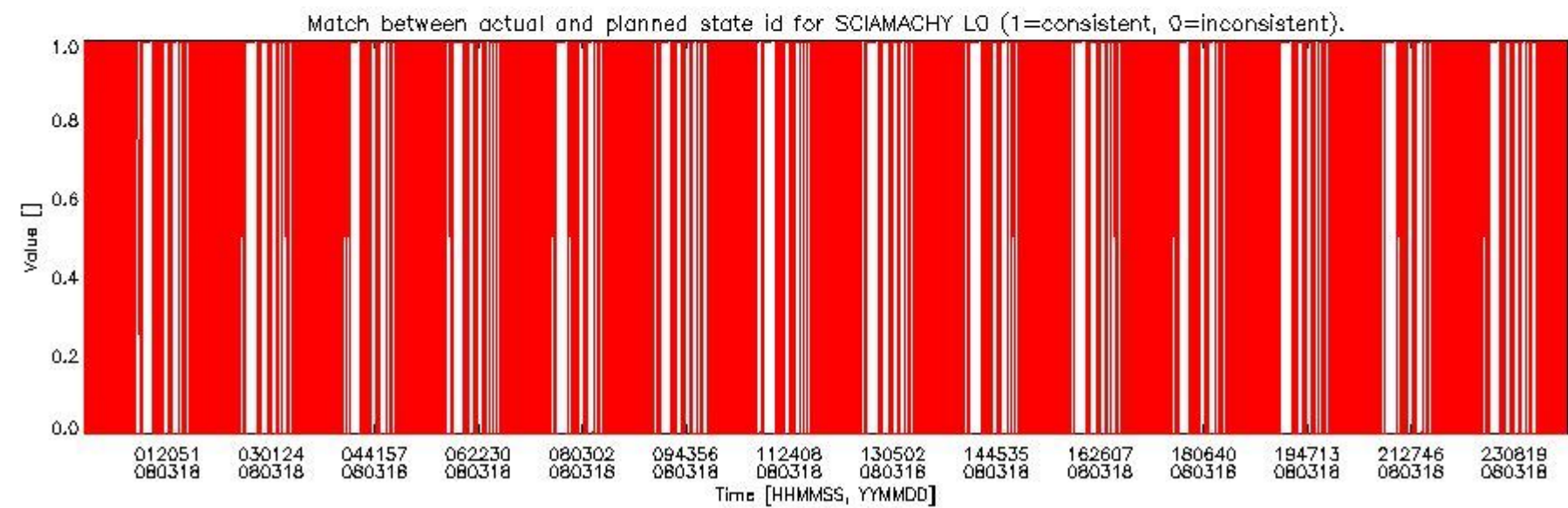
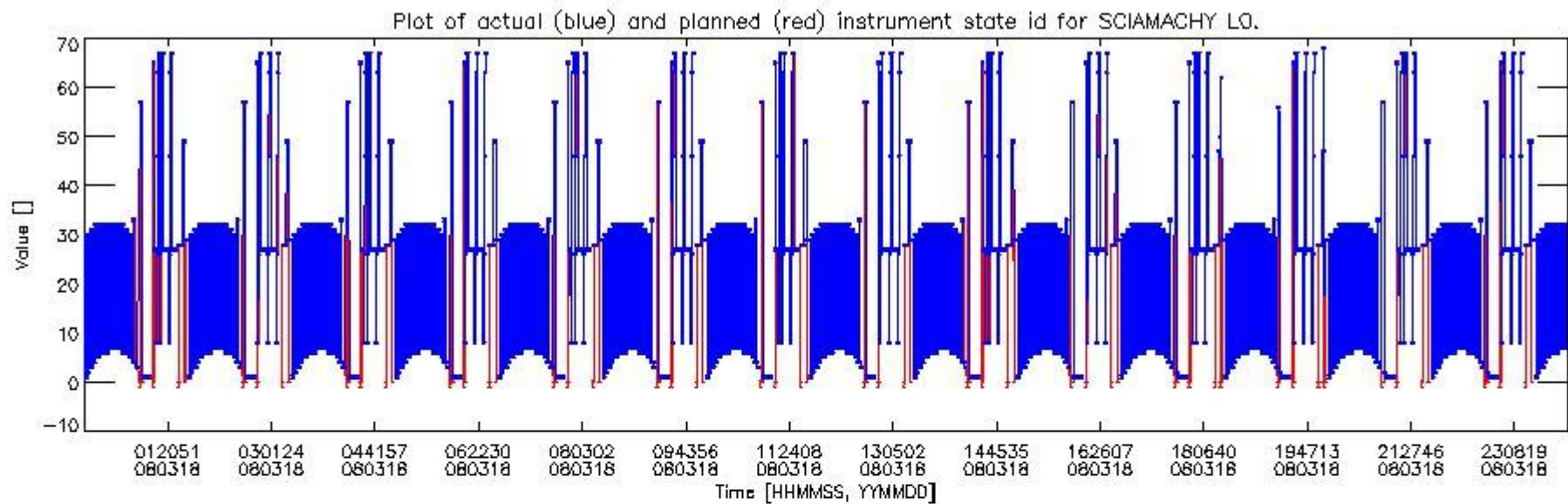


### 0.3 State monitoring

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: **32639**

#	Actual time	Actual value	Planned time	Planned value
0	18MAR2008 00:00:32.463996	1	18MAR2008 00:00:32.463996	29
1	18MAR2008 00:00:32.714005	1	18MAR2008 00:00:32.714005	29
2	18MAR2008 00:00:32.839009	1	18MAR2008 00:00:32.839009	29
3	18MAR2008 00:00:32.964014	1	18MAR2008 00:00:32.964014	29
4	18MAR2008 00:00:33.089018	1	18MAR2008 00:00:33.089018	29
5	18MAR2008 00:00:33.214022	1	18MAR2008 00:00:33.214022	29
6	18MAR2008 00:00:33.339027	1	18MAR2008 00:00:33.339027	29
7	18MAR2008 00:00:33.464031	1	18MAR2008 00:00:33.464031	29
8	18MAR2008 00:00:33.588995	1	18MAR2008 00:00:33.588995	29
9	18MAR2008 00:00:33.713999	1	18MAR2008 00:00:33.713999	29
10	18MAR2008 00:00:33.839004	1	18MAR2008 00:00:33.839004	29
11	18MAR2008 00:00:33.964008	1	18MAR2008 00:00:33.964008	29
12	18MAR2008 00:00:34.089012	1	18MAR2008 00:00:34.089012	29
13	18MAR2008 00:00:34.214017	1	18MAR2008 00:00:34.214017	29
14	18MAR2008 00:00:34.339021	1	18MAR2008 00:00:34.339021	29
15	18MAR2008 00:00:34.464025	1	18MAR2008 00:00:34.464025	29
16	18MAR2008 00:00:34.589030	1	18MAR2008 00:00:34.589030	29
17	18MAR2008 00:00:34.713994	1	18MAR2008 00:00:34.713994	29
18	18MAR2008 00:00:34.838998	1	18MAR2008 00:00:34.838998	29
19	18MAR2008 00:00:34.964003	1	18MAR2008 00:00:34.964003	29
...	...	...	...	...



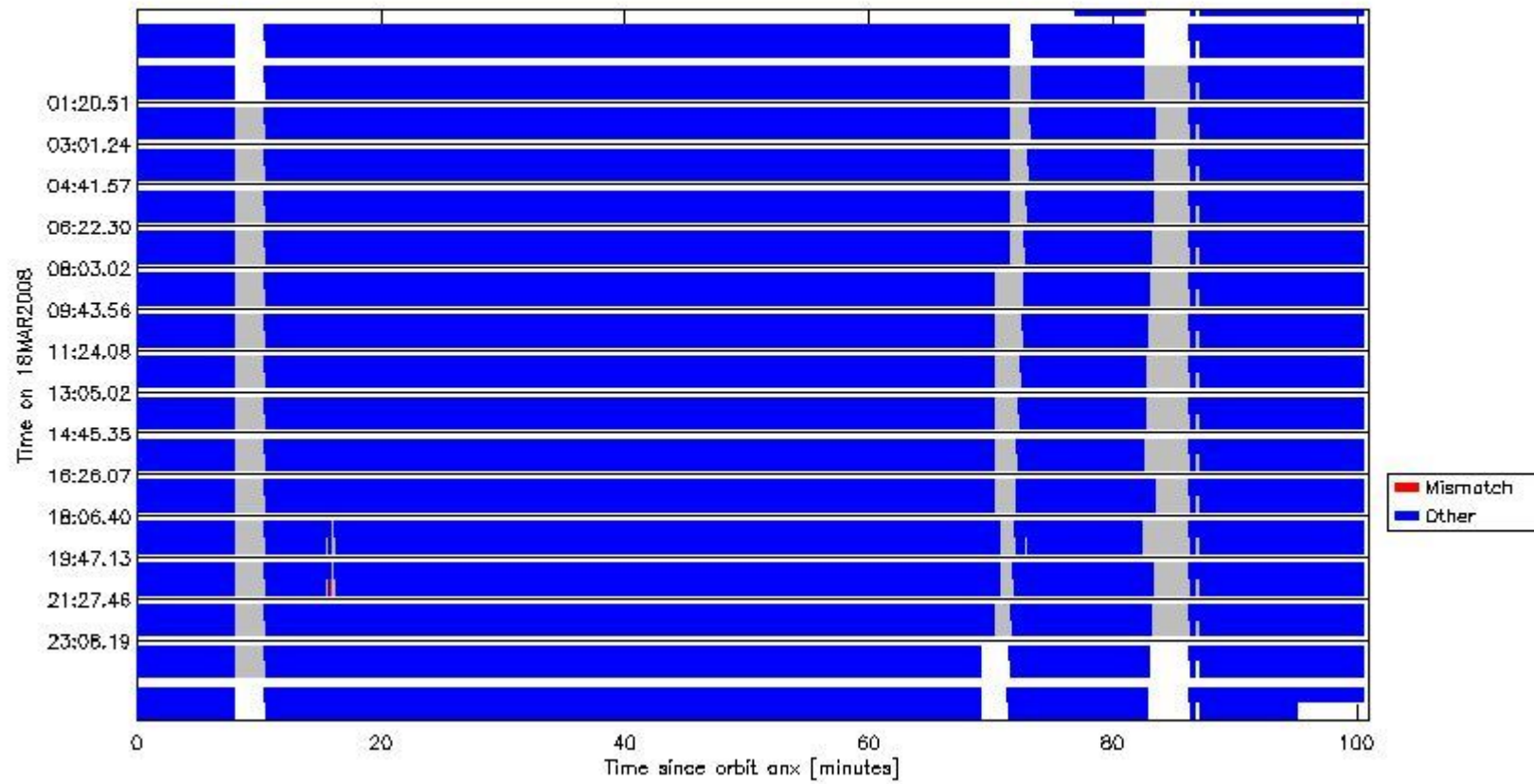
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080318\_5.PNG

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 18MAR2008.  
 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\_20080318\_6.PNG

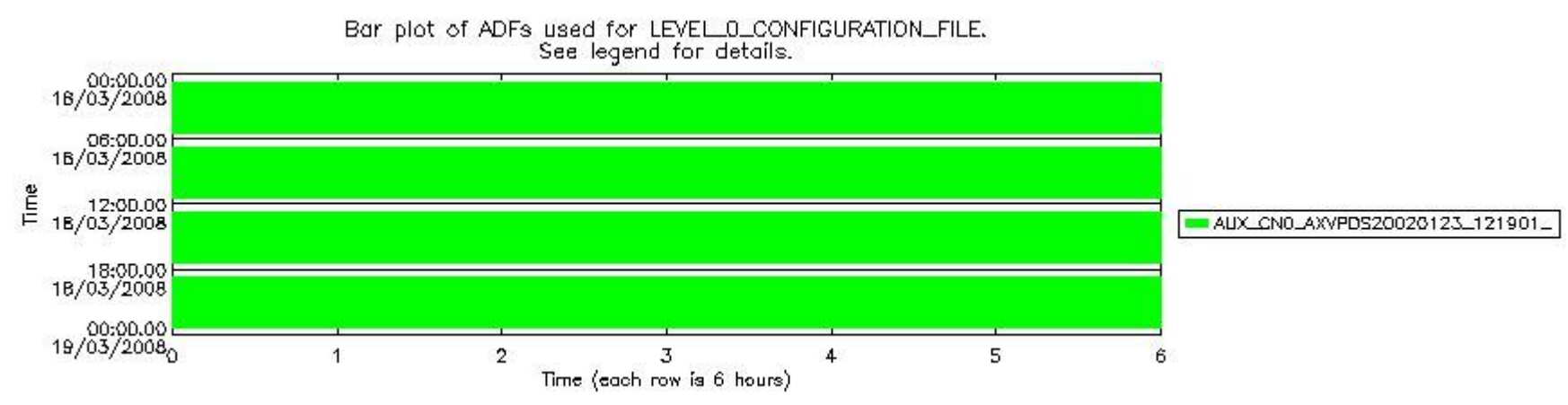
## 0.4 ADF monitoring

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

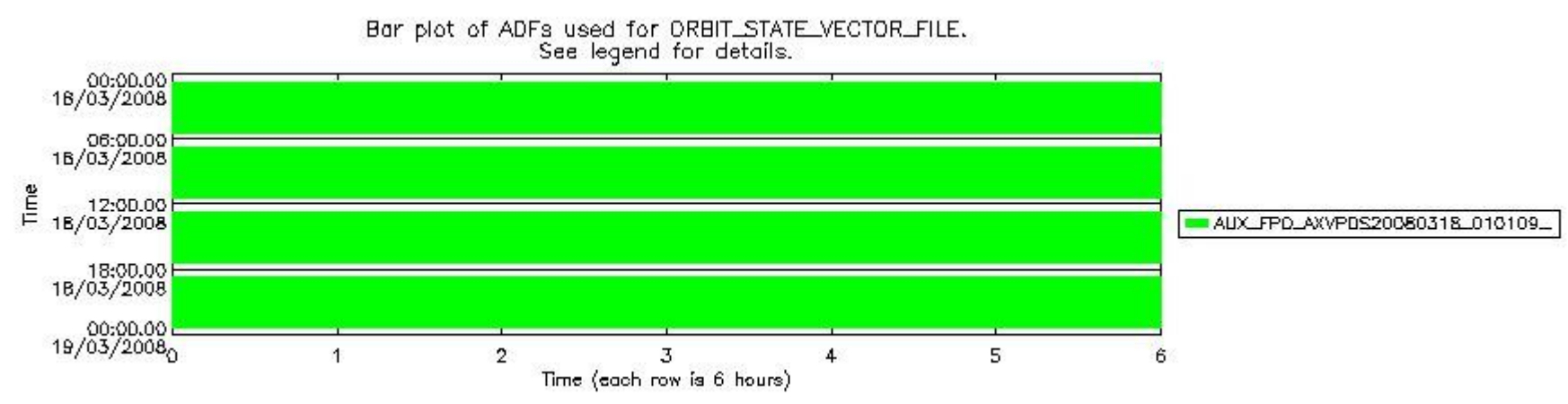
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

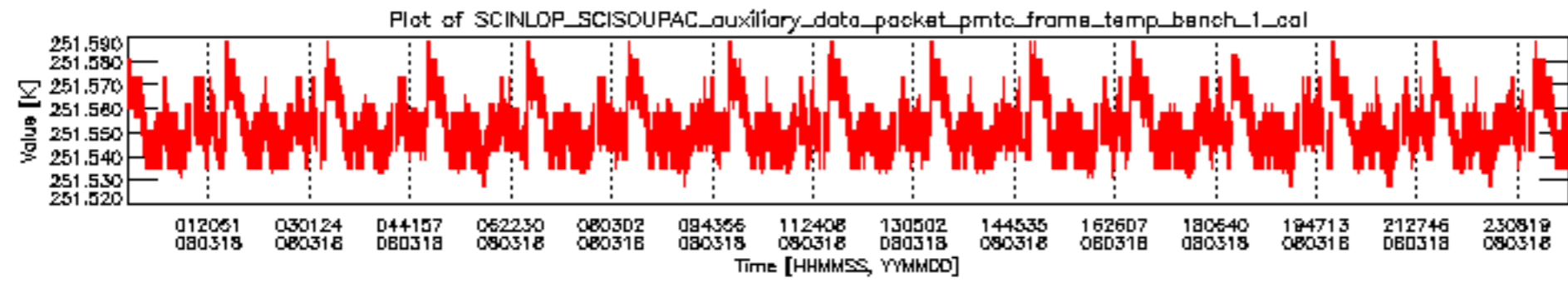
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20080318_010109_20080317_183819_20080327_200433



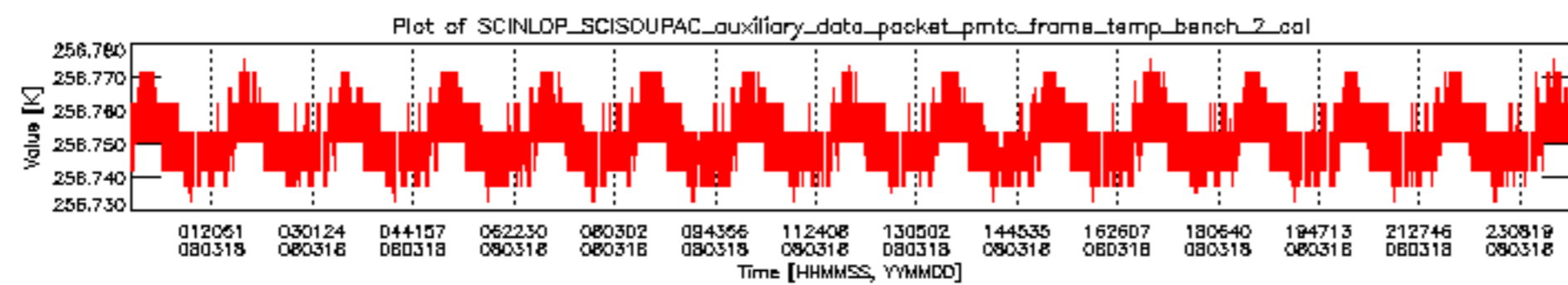
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080318\_7.PNG

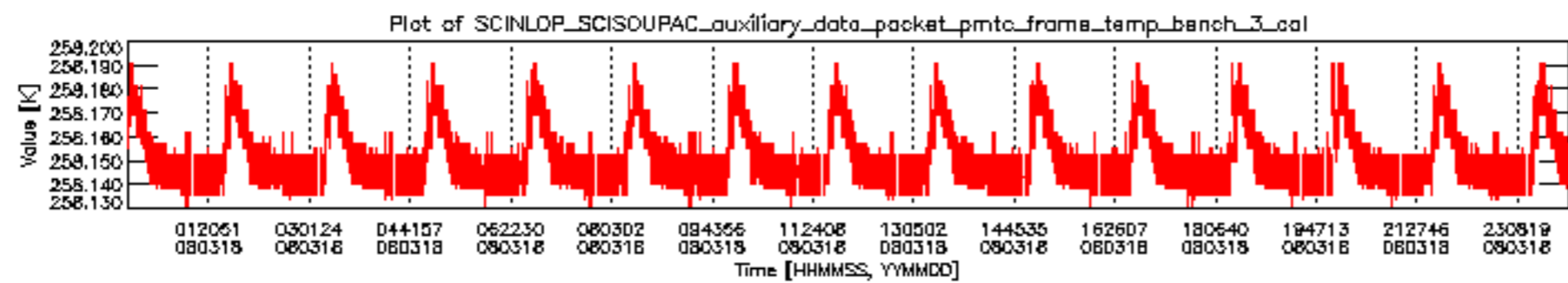


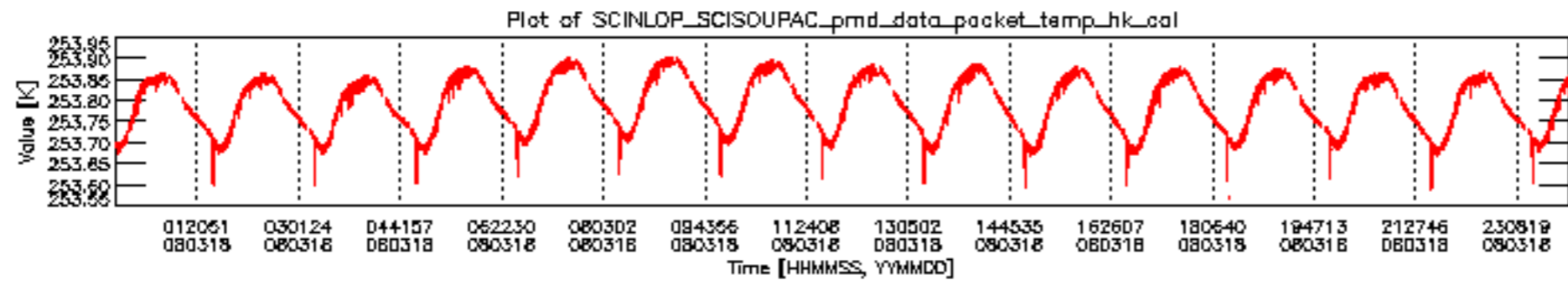
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080318\_8.PNG

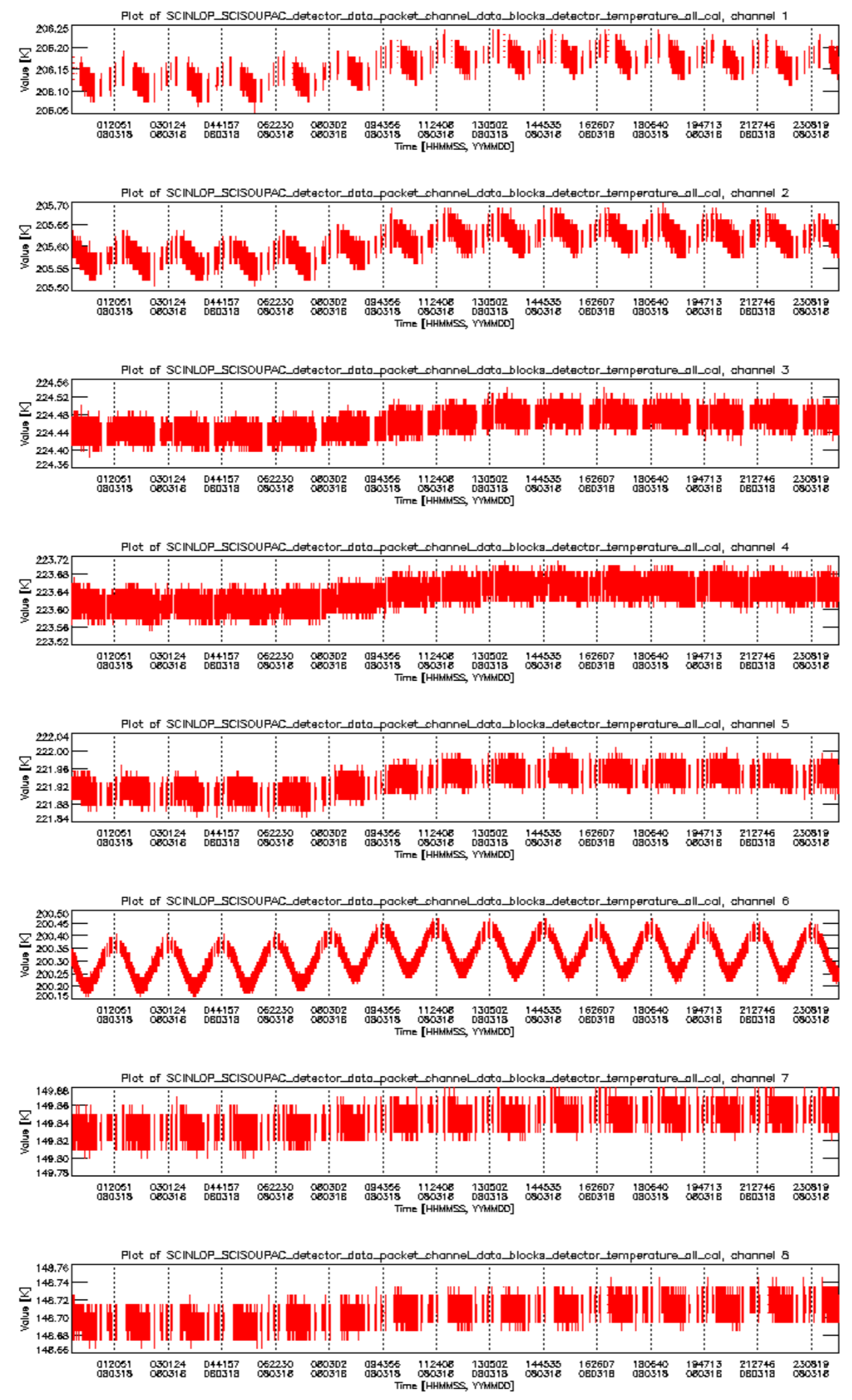




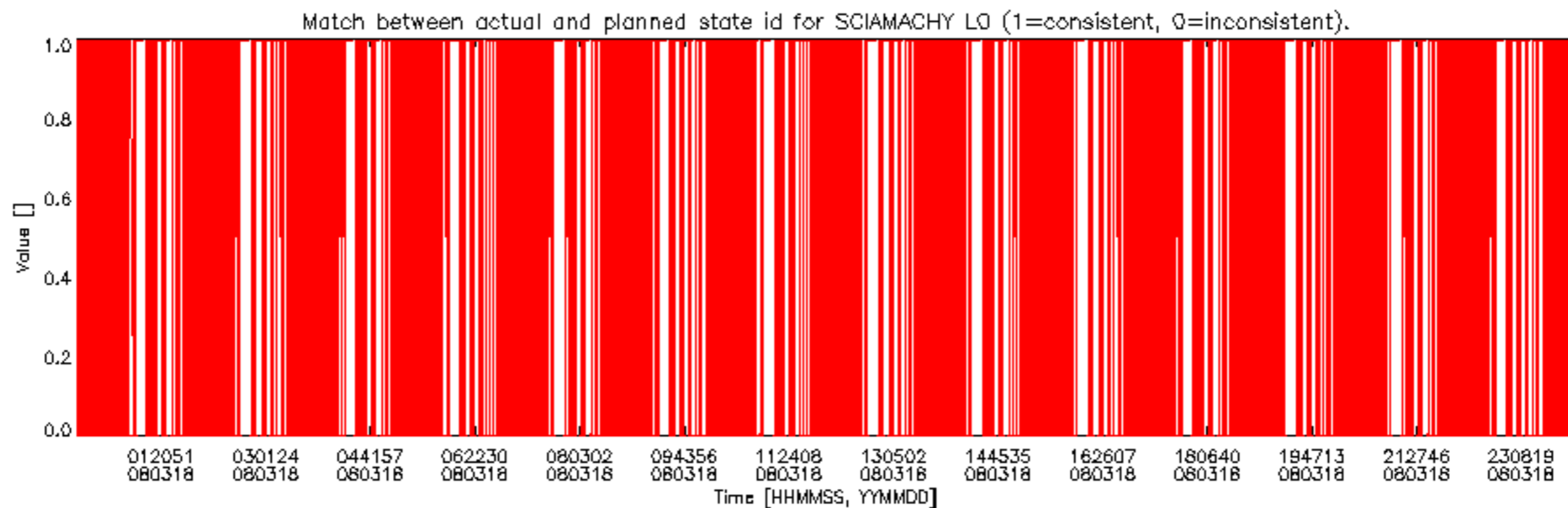
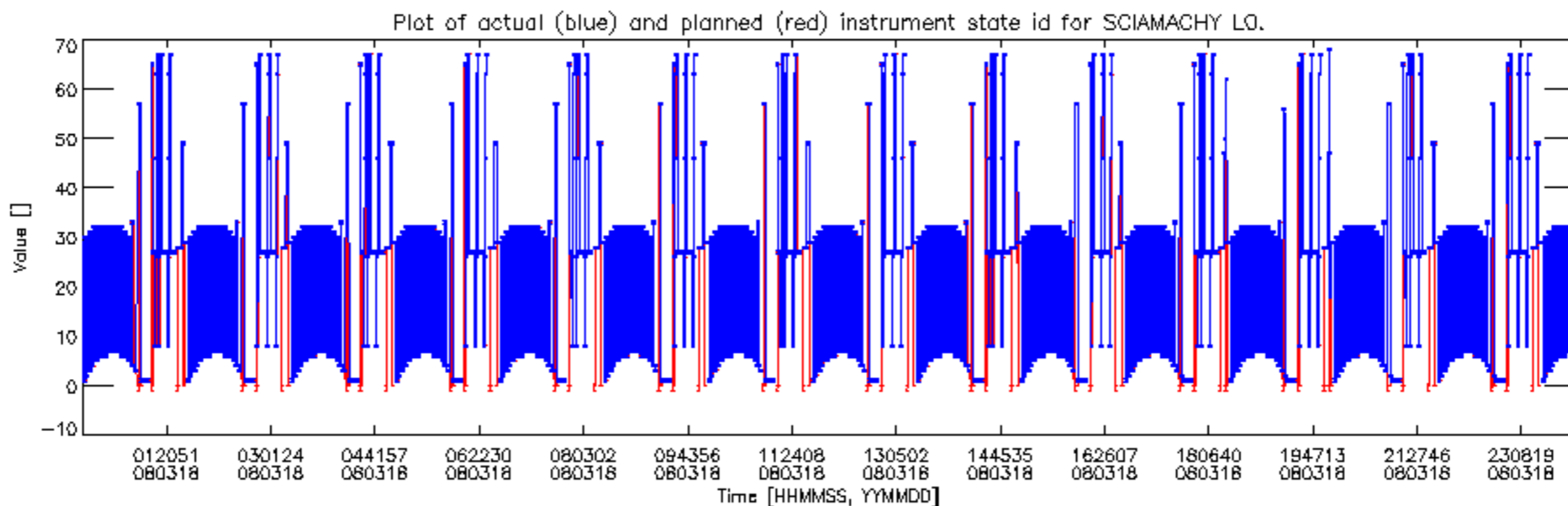












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