

## 0. SCIAMACHY Daily Report for level 0 products

### [0.1 General Info](#)

### [0.2 Product Quality Indicators](#)

### [0.3 State monitoring](#)

### [0.4 ADF monitoring](#)

## 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	20AUG2006 05:11:04
Data source version	PFHS/5.37-N
Processing scope for products	16AUG2006 00:00:00 to 17AUG2006 00:00:00
Start time of first product within scope	15AUG2006 23:56:13
Stop time of last product within scope	17AUG2006 01:06:02
Total number of level 0 products	15
Number of level 0 products with errors	15

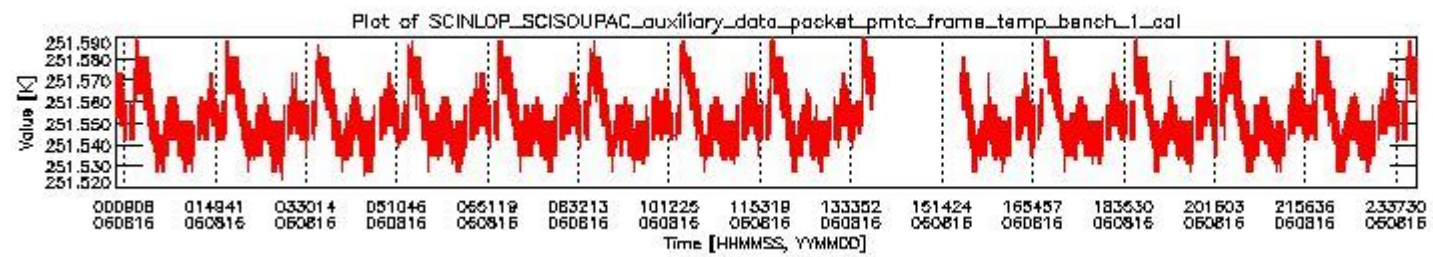
### 0.1.2 Summary per product

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

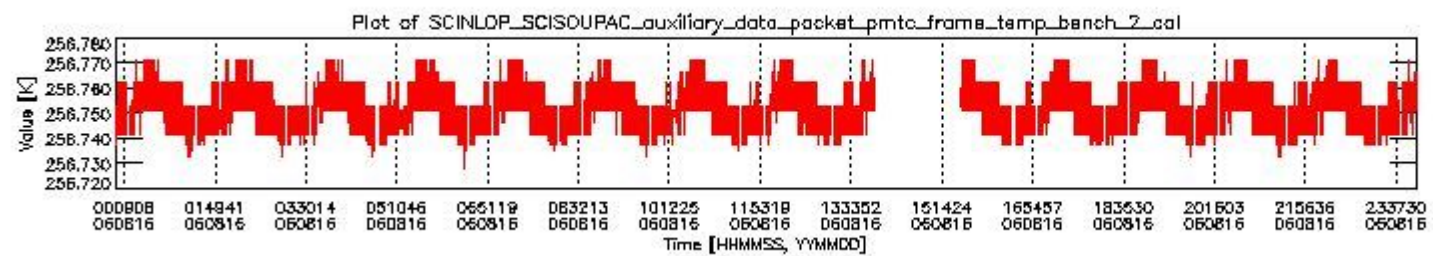
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20060815_235613_000059922050_00216_23316_0357.N1	15AUG2006 23:56:13	16AUG2006 01:36:05	1	0	1	0	0
1	SCI_NL__OPNPDE20060816_013437_000044352050_00217_23317_0358.N1	16AUG2006 01:34:37	16AUG2006 02:48:32	1	0	1	0	0
2	SCI_NL__OPNPDE20060816_024832_000060922050_00218_23318_0359.N1	16AUG2006 02:48:32	16AUG2006 04:30:05	1	0	1	0	0
3	SCI_NL__OPNPDE20060816_043005_000060492050_00219_23319_0360.N1	16AUG2006 04:30:05	16AUG2006 06:10:54	1	0	1	0	0
4	SCI_NL__OPNPDK20060816_060945_000041692050_00220_23320_0440.N1	16AUG2006 06:09:45	16AUG2006 07:19:15	1	0	1	0	0
5	SCI_NL__OPNPDK20060816_071915_000061602050_00221_23321_0441.N1	16AUG2006 07:19:15	16AUG2006 09:01:56	1	0	1	0	0
6	SCI_NL__OPNPDK20060816_090156_000059672050_00222_23322_0442.N1	16AUG2006 09:01:56	16AUG2006 10:41:24	1	0	1	0	0
7	SCI_NL__OPNPDK20060816_104028_000059802050_00223_23323_0443.N1	16AUG2006 10:40:28	16AUG2006 12:20:08	1	0	1	0	0
8	SCI_NL__OPNPDK20060816_121900_000059672050_00224_23324_0444.N1	16AUG2006 12:19:00	16AUG2006 13:58:27	1	0	1	0	0
9	SCI_NL__OPNPDK20060816_153507_000058932050_00226_23326_0446.N1	16AUG2006 15:35:07	16AUG2006 17:13:21	1	0	1	0	0
10	SCI_NL__OPNPDK20060816_171116_000060732050_00227_23327_0447.N1	16AUG2006 17:11:16	16AUG2006 18:52:30	1	0	1	0	0
11	SCI_NL__OPNPDK20060816_185122_000060732050_00228_23328_0448.N1	16AUG2006 18:51:22	16AUG2006 20:32:35	1	0	1	0	0
12	SCI_NL__OPNPDE20060816_203139_000043902050_00229_23329_0361.N1	16AUG2006 20:31:39	16AUG2006 21:44:50	1	0	1	0	0
13	SCI_NL__OPNPDE20060816_214322_000062042050_00229_23329_0362.N1	16AUG2006 21:43:22	16AUG2006 23:26:46	1	0	1	0	0
14	SCI_NL__OPNPDE20060816_232526_000060362050_00230_23330_0363.N1	16AUG2006 23:25:26	17AUG2006 01:06:02	1	0	1	0	0

## 0.2 Product Quality Indicators

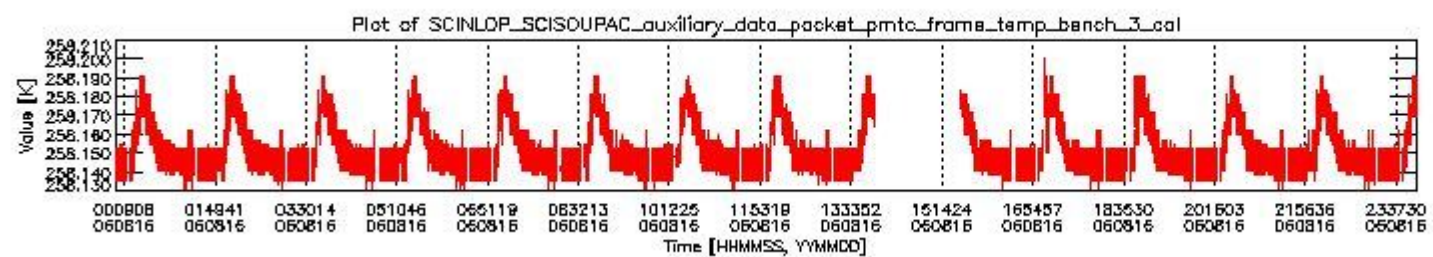
This section shows information about product quality, currently temperatures.



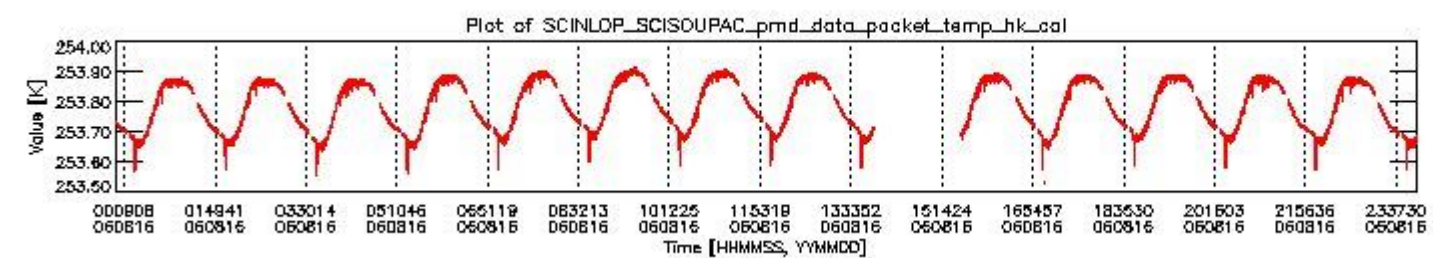
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060816\_0.PNG



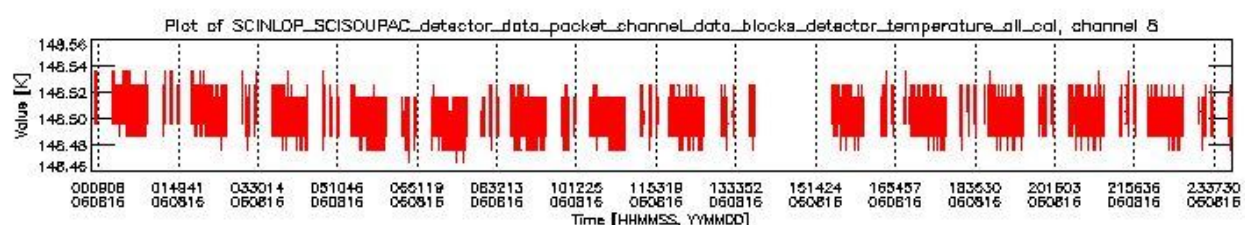
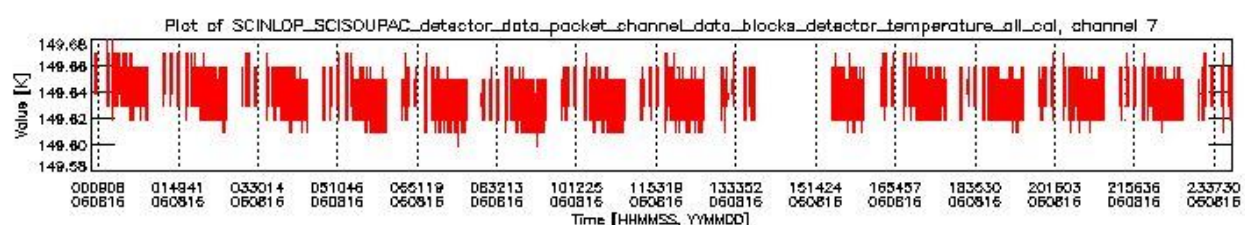
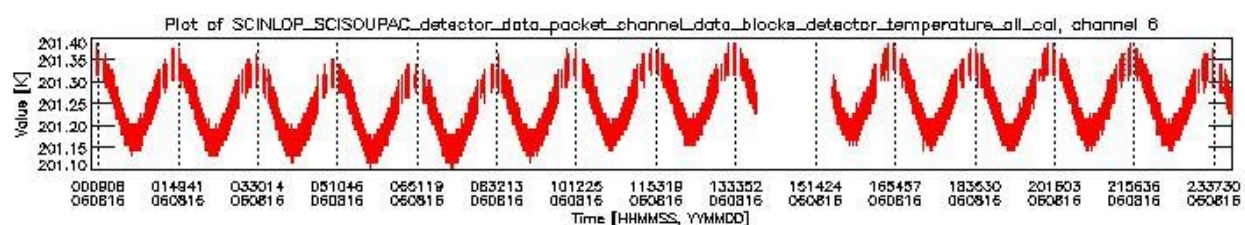
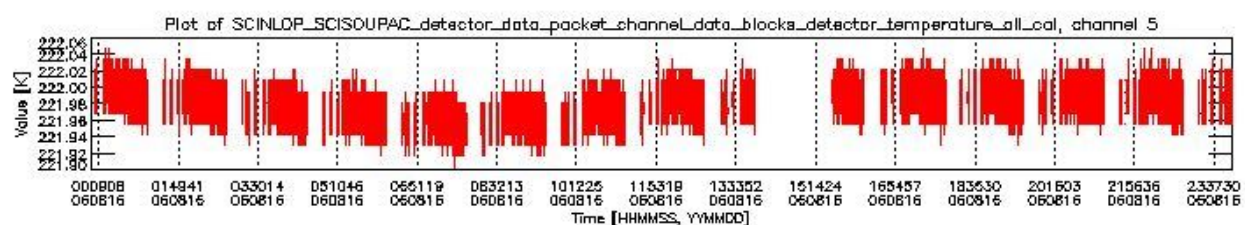
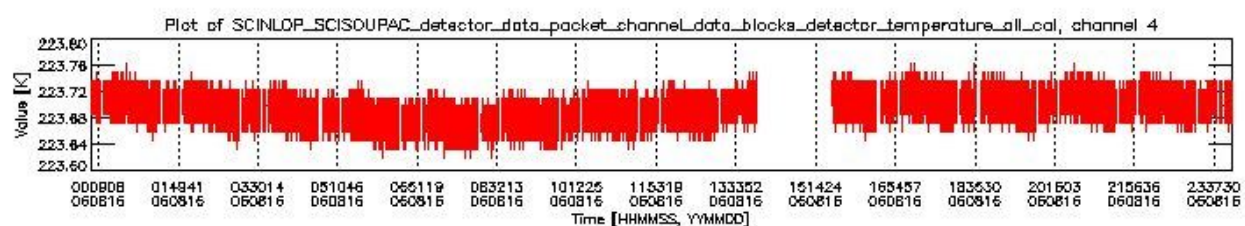
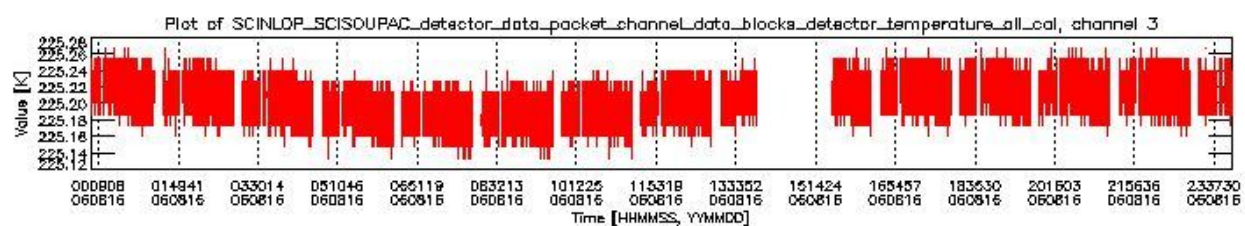
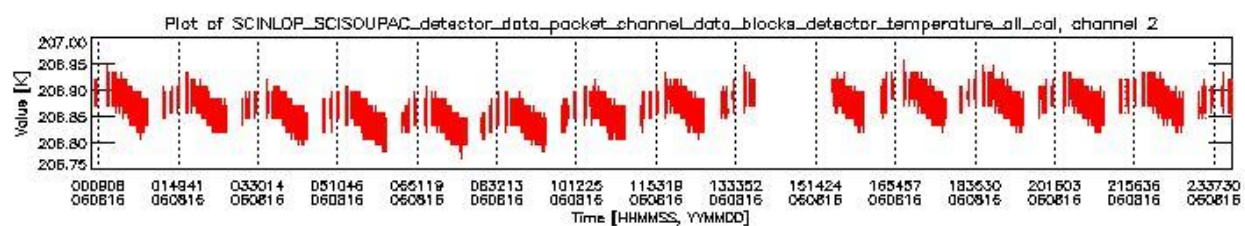
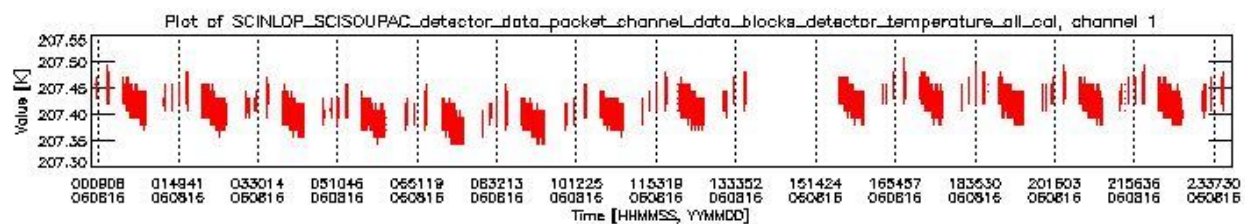
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sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060816\_2.PNG



sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060816\_3.PNG

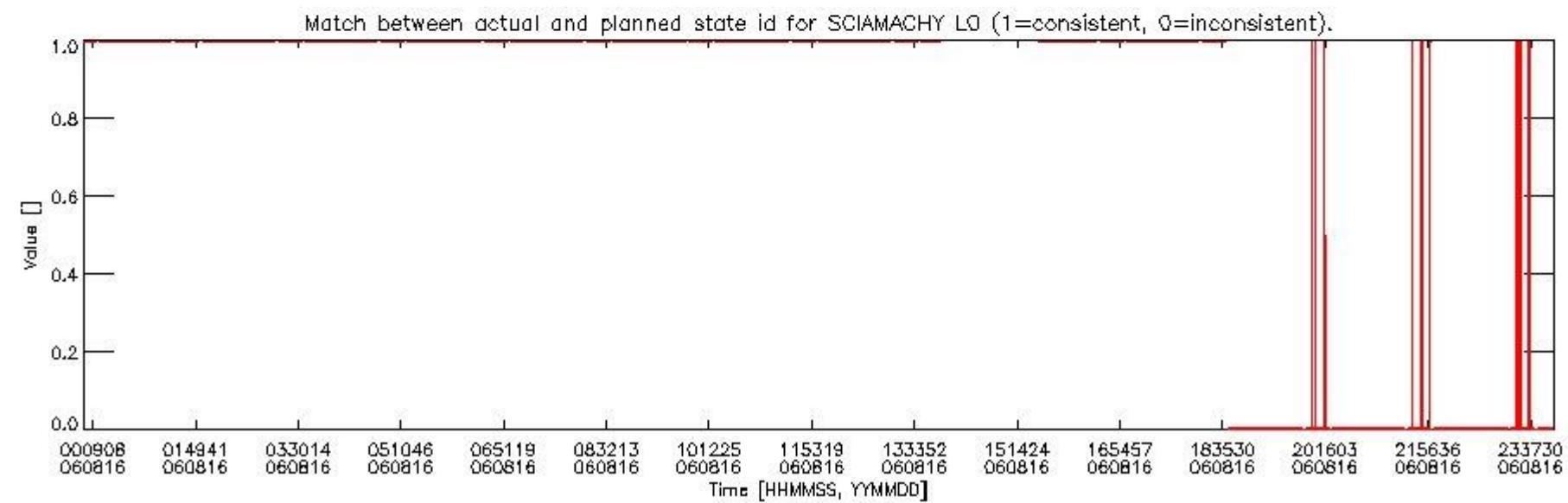
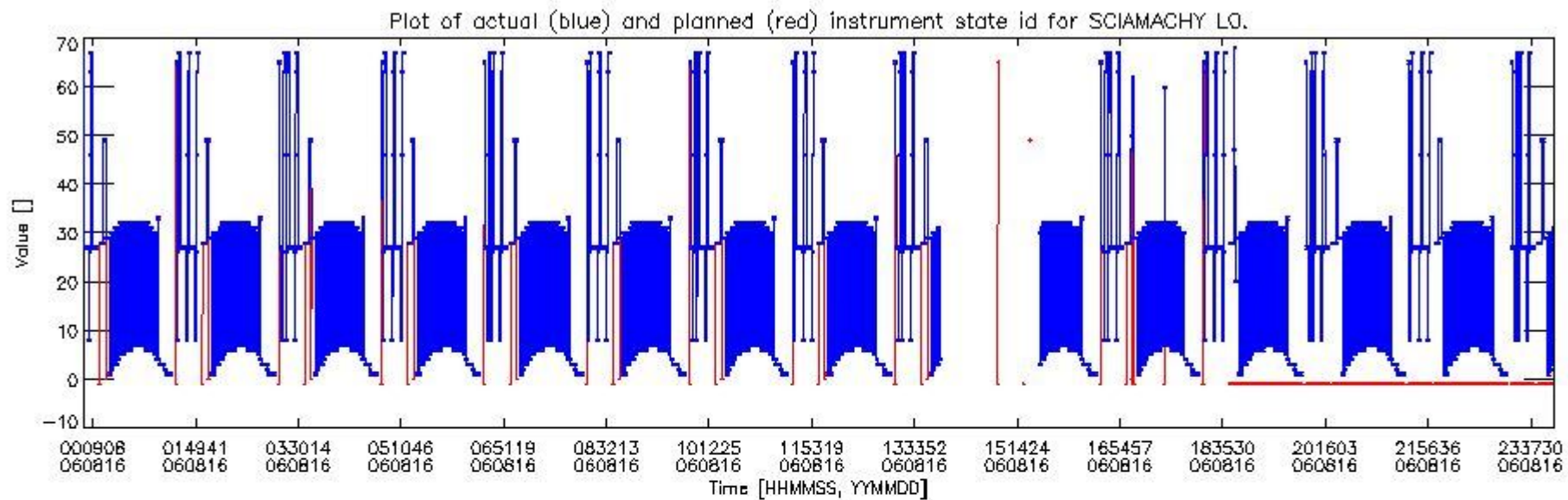


### 0.3 State monitoring

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: **103013**

#	Actual time	Actual value	Planned time	Planned value
0	16AUG2006 18:42:13.235626	28	16AUG2006 18:42:13.235626	-1
1	16AUG2006 18:42:13.860648	28	16AUG2006 18:42:13.860648	-1
2	16AUG2006 18:42:14.235620	28	16AUG2006 18:42:14.235620	-1
3	16AUG2006 18:42:14.610634	28	16AUG2006 18:42:14.610634	-1
4	16AUG2006 18:42:15.173133	28	16AUG2006 18:42:15.173133	-1
5	16AUG2006 18:42:15.548146	28	16AUG2006 18:42:15.548146	-1
6	16AUG2006 18:42:15.923119	28	16AUG2006 18:42:15.923119	-1
7	16AUG2006 18:42:16.298132	28	16AUG2006 18:42:16.298132	-1
8	16AUG2006 18:42:16.860631	28	16AUG2006 18:42:16.860631	-1
9	16AUG2006 18:42:17.235644	28	16AUG2006 18:42:17.235644	-1
10	16AUG2006 18:42:17.610617	28	16AUG2006 18:42:17.610617	-1
11	16AUG2006 18:42:17.985630	28	16AUG2006 18:42:17.985630	-1
12	16AUG2006 18:42:18.235639	28	16AUG2006 18:42:18.235639	-1
13	16AUG2006 18:42:18.548130	28	16AUG2006 18:42:18.548130	-1
14	16AUG2006 18:42:18.923143	28	16AUG2006 18:42:18.923143	-1
15	16AUG2006 18:42:19.298116	28	16AUG2006 18:42:19.298116	-1
16	16AUG2006 18:42:19.673129	28	16AUG2006 18:42:19.673129	-1
17	16AUG2006 18:42:20.235628	28	16AUG2006 18:42:20.235628	-1
18	16AUG2006 18:42:20.610641	28	16AUG2006 18:42:20.610641	-1
19	16AUG2006 18:42:20.985614	28	16AUG2006 18:42:20.985614	-1
...	...	...	...	...

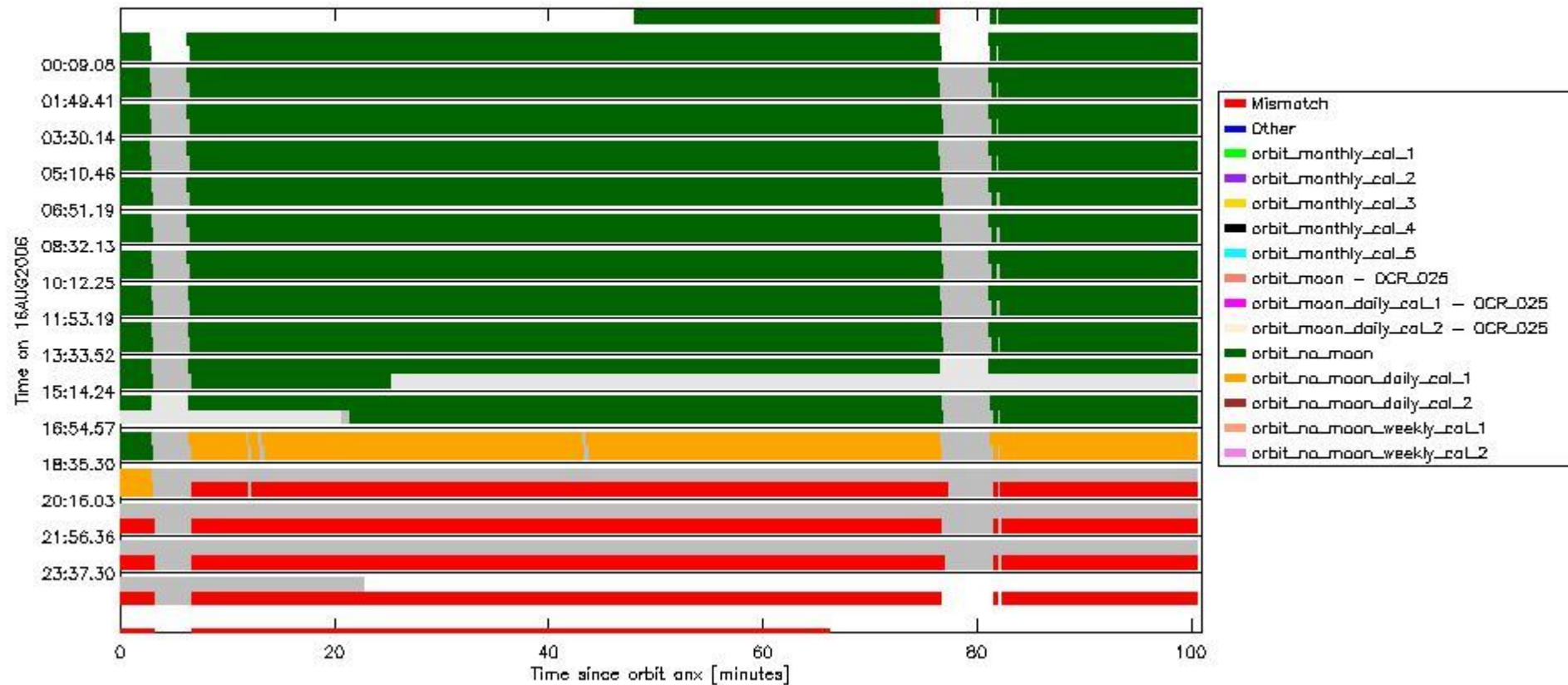


sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060816\_5.PNG

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 16AUG2006.  
 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\_PPHS\_5\_37\_N\_20060816\_6.PNG

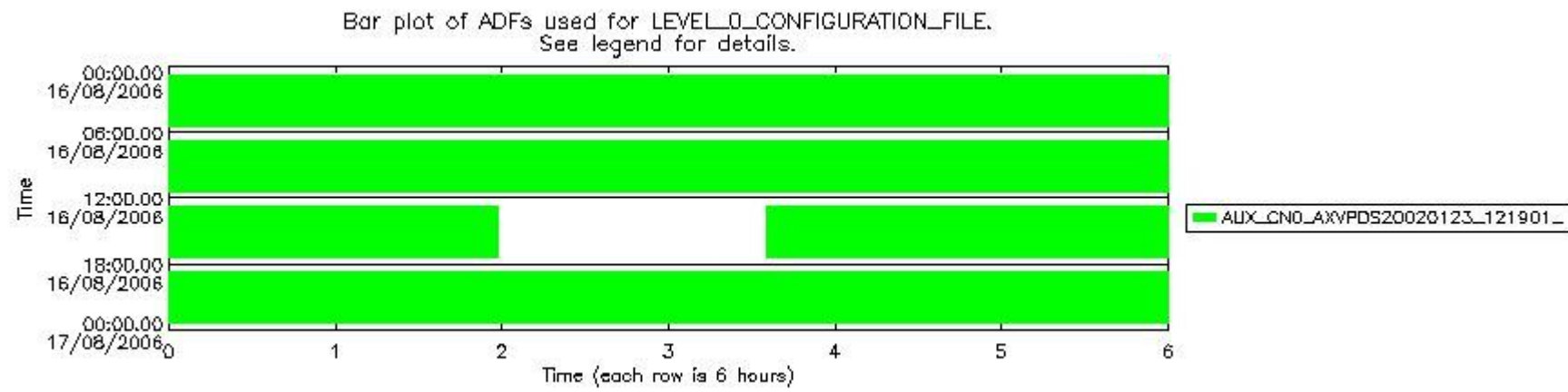
## 0.4 ADF monitoring

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

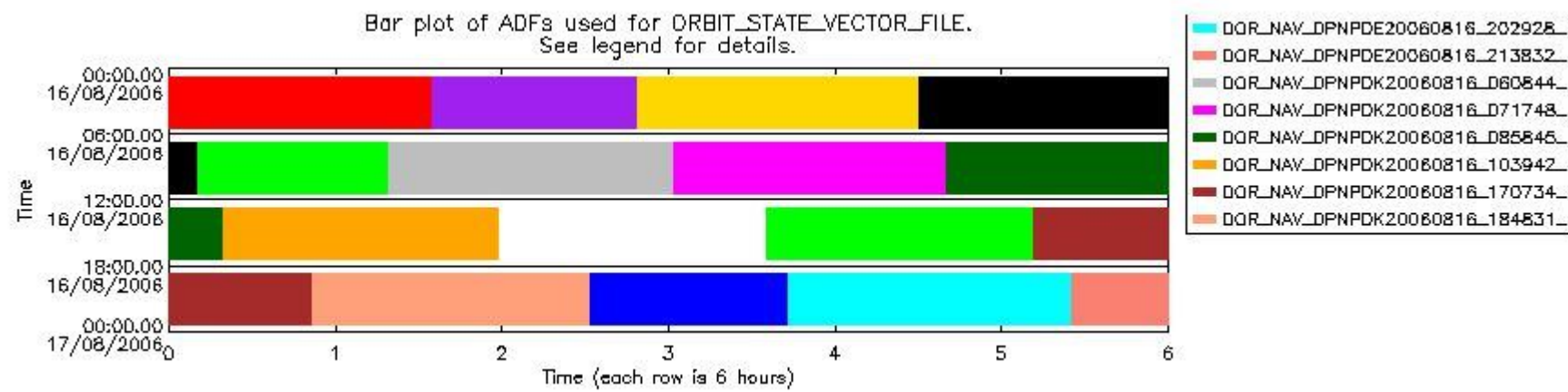
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

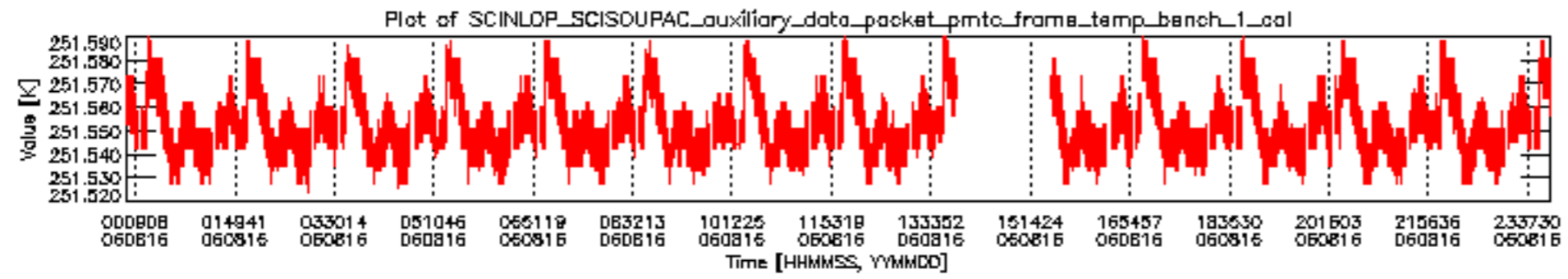
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20060816_000419_20060815_190713_20060825_203325
2	AUX_FPO_AXVPDS20060816_000447_20060815_190713_20060825_203325
3	DOR_NAV_OPNPDE20060815_221033_000060562050_00215_23315_0355.N1
4	DOR_NAV_OPNPDE20060815_235130_000057382050_00216_23316_0356.N1
5	DOR_NAV_OPNPDE20060816_013227_000041442050_00217_23317_0357.N1
6	DOR_NAV_OPNPDE20060816_024650_000057382050_00218_23318_0358.N1
7	DOR_NAV_OPNPDE20060816_202928_000041442050_00229_23329_0360.N1
8	DOR_NAV_OPNPDE20060816_213832_000060562050_00229_23329_0361.N1
9	DOR_NAV_OPNPDK20060816_060844_000038252050_00220_23320_0446.N1
10	DOR_NAV_OPNPDK20060816_071748_000057382050_00221_23321_0447.N1
11	DOR_NAV_OPNPDK20060816_085845_000057382050_00222_23322_0448.N1
12	DOR_NAV_OPNPDK20060816_103942_000054192050_00223_23323_0449.N1
13	DOR_NAV_OPNPDK20060816_170734_000057382050_00227_23327_0453.N1
14	DOR_NAV_OPNPDK20060816_184831_000057382050_00228_23328_0454.N1



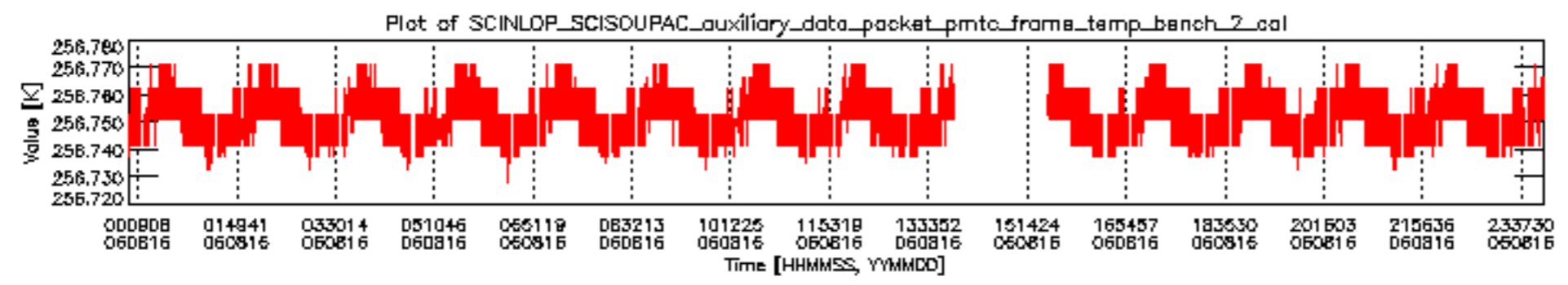
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060816\_7.PNG

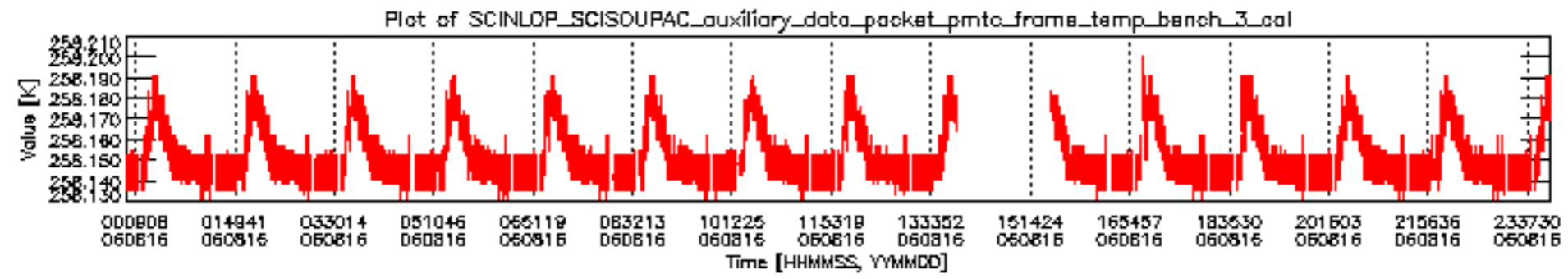


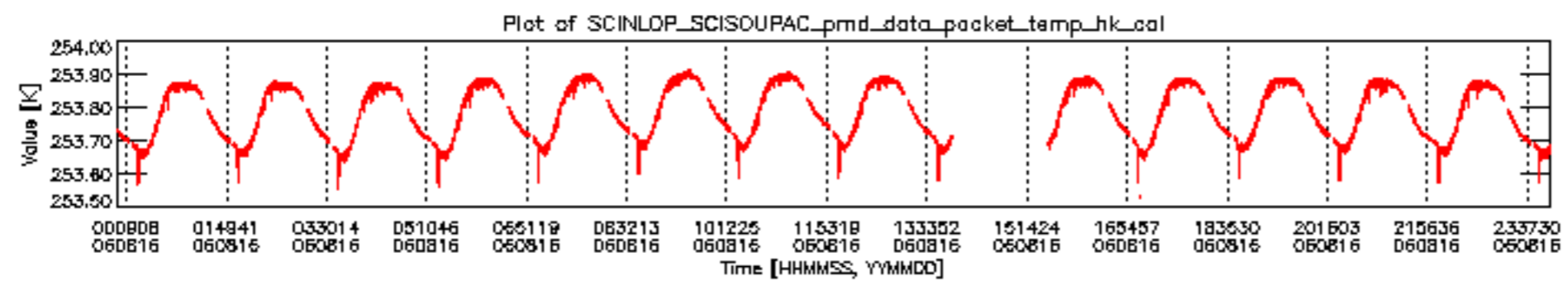
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060816\_8.PNG

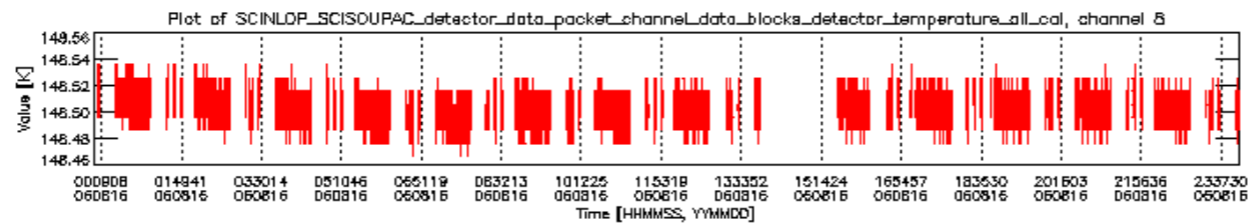
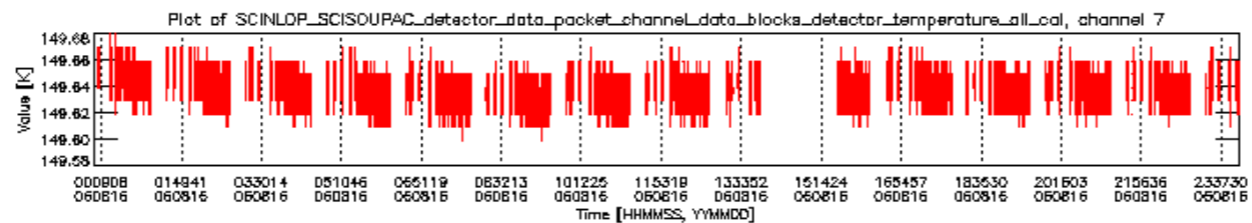
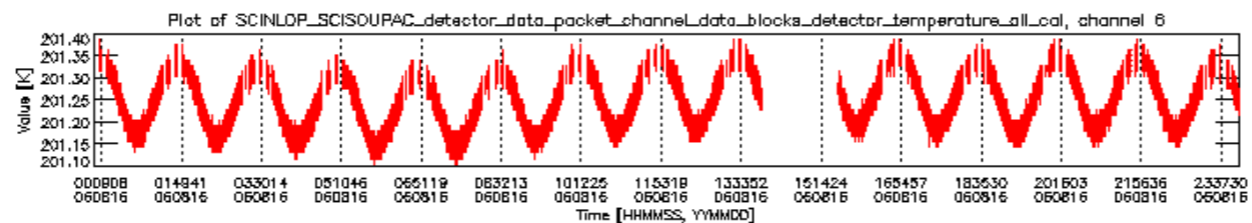
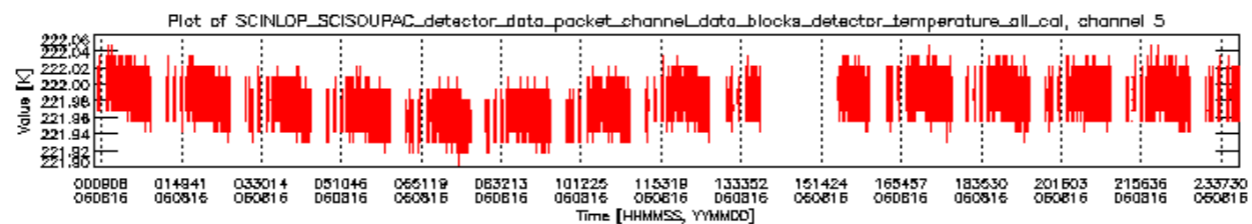
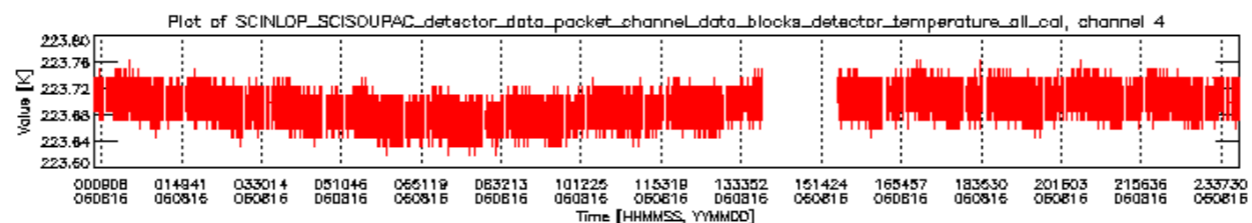
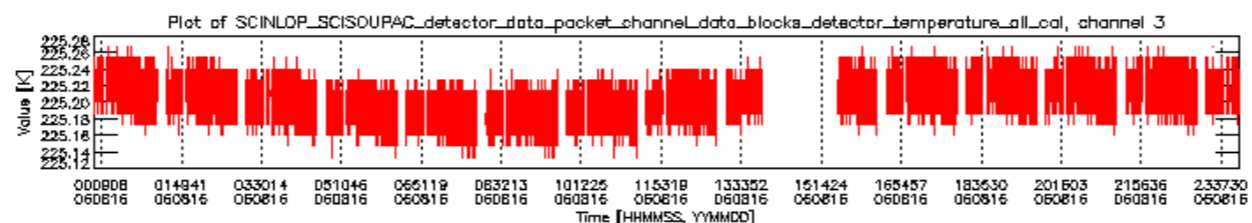
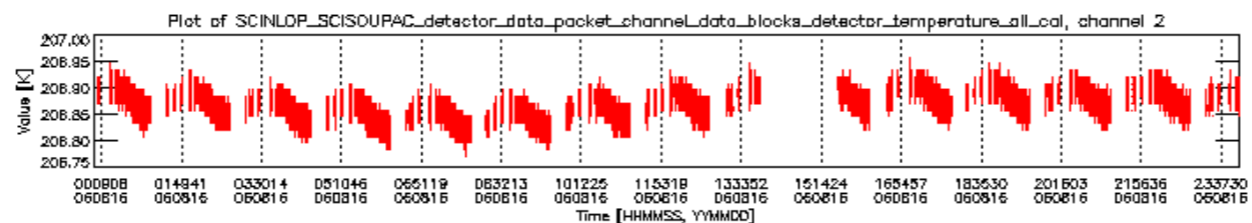
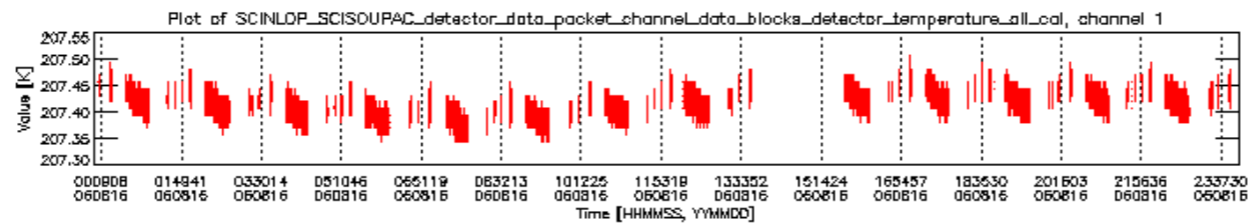


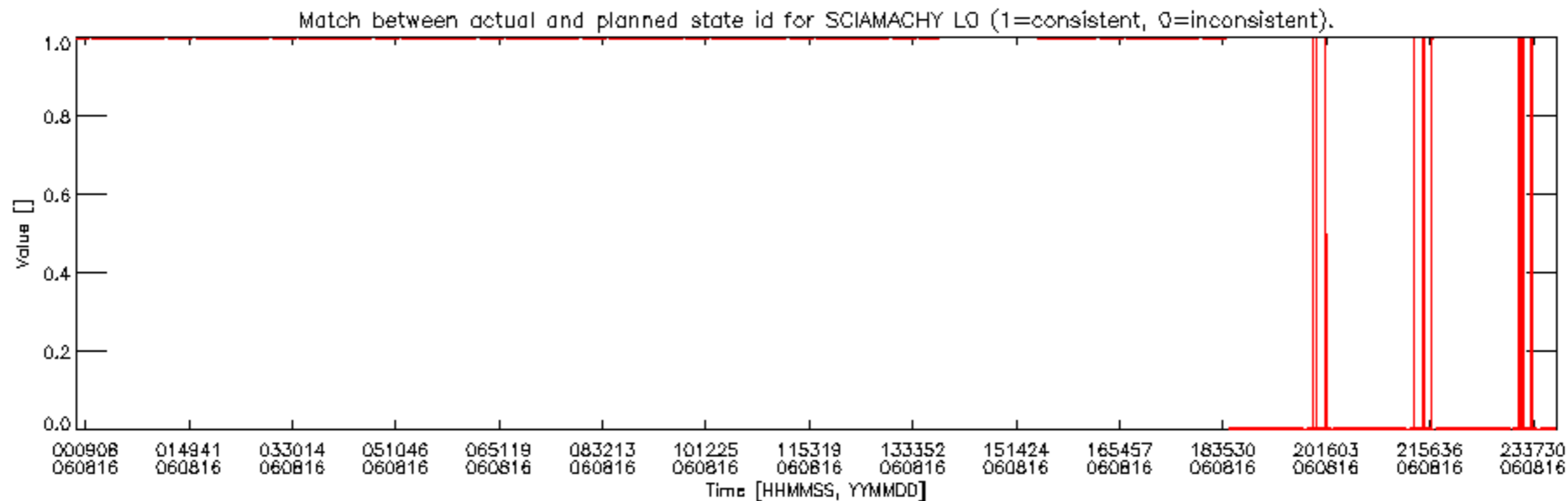
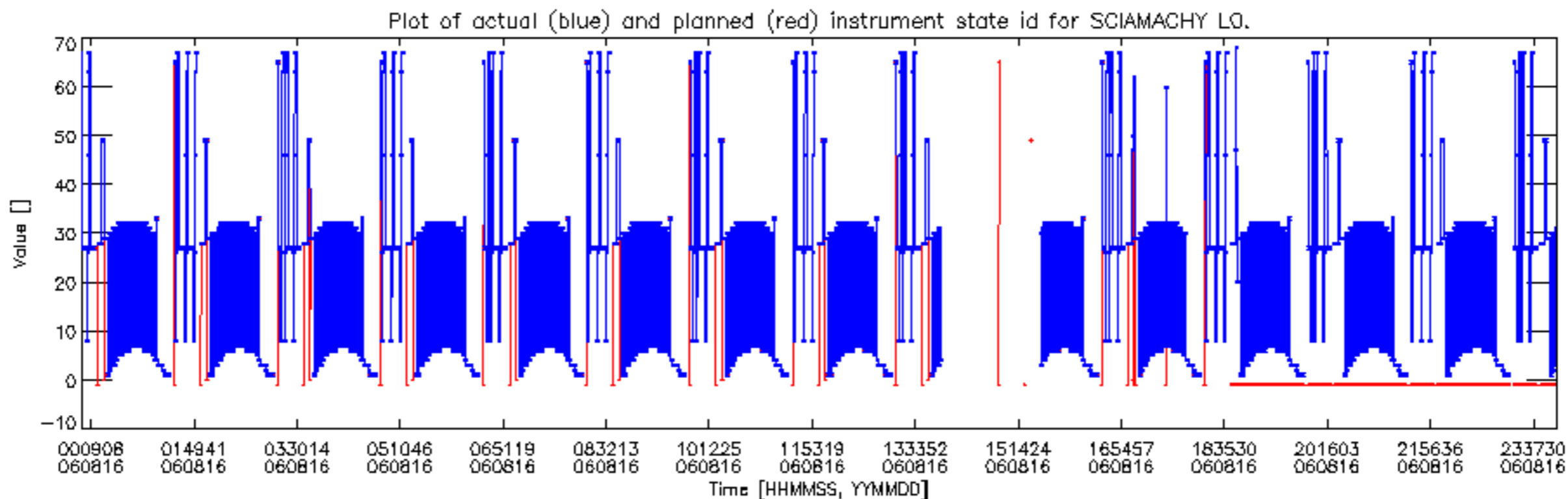












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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